

Permitco

A Petroleum Permitting Company

January 20, 1983

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

RE: Tricentrol Resources Inc.
Southland Federal #5-34
600' FSL & 2600' FEL
Section 5, T38S-R22E
San Juan County, Utah

RECEIVED
JAN 24 1983

DIVISION OF
OIL GAS & MINING

Gentlemen:

Tricentrol Resources Inc. proposes to drill a well at the above-mentioned location.

We realize that this location is a non-standard location in accordance with the spacing rules for the State of Utah. This location was picked due to topography and extensive seismic work which was done in the immediate area.

Tricentrol Resources Inc. is the lease holder of all of Sections 4, 5, 9, and 10 T38S-R22E. Therefore, no other lease holders will be affected by the drilling of the above-proposed well.

We, therefore, request your permission to drill this well at a non-standard location.

Sincerely,

PERMITCO

Lisa L. Green 1/4/83

Lisa L. Green
Consultant for
Tricentrol Resources Inc.

LLG/tjb

Enclosures

cc: MMS - Salt Lake City, Durango
BLM - Monticello, Utah
Tricentrol Resources Inc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NUMBER U-44211		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME JAN 24 1983		
2. NAME OF OPERATOR Tricentrol Resources Inc. c/o Permitco			7. UNIT AGREEMENT NAME SALT LAKE CITY, UT		
3. ADDRESS OF OPERATOR 1020 - 15th Street, Ste. 22E, Denver, CO 80202			8. FARM OR LEASE NAME Southland Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 600' FSL & 2600' FEL At proposed prod. zone Sec. 5, T38S-R22E			9. WELL NO. #5-34		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Located 10.2 miles south of Blanding, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 40'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T38S-R22E		
16. NO. OF ACRES IN LEASE 2577.80			12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE UT		
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. none			19. PROPOSED DEPTH 6650'		
20. ROTARY OR CABLE TOOLS Rotary			21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5478' Gr.		
22. APPROX. DATE WORK WILL START* Upon approval of A.P.D.					

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0	2350	400 sx. + 200 sx. or suff. to circ.
7-7/8"	5-1/2"	15.5	6650	250 sx. + 50/50 poz mix or sufficient to cover zones of interest.

We propose to drill a well to 6650' to test the Desert Creek and Ismay formations. If productive, we will run casing and complete. If dry, we will plug and abandon as per Minerals Management Service and State of Utah requirements.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. David Howell
SIGNED David Howell TITLE Petroleum Engineer DATE 1/19/83
(This space for Federal or State office use)

PERMIT NO. WT Mountain APPROVAL DATE FEB 25 1983
APPROVED BY E. W. Guynn TITLE District Oil & Gas Supervisor
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

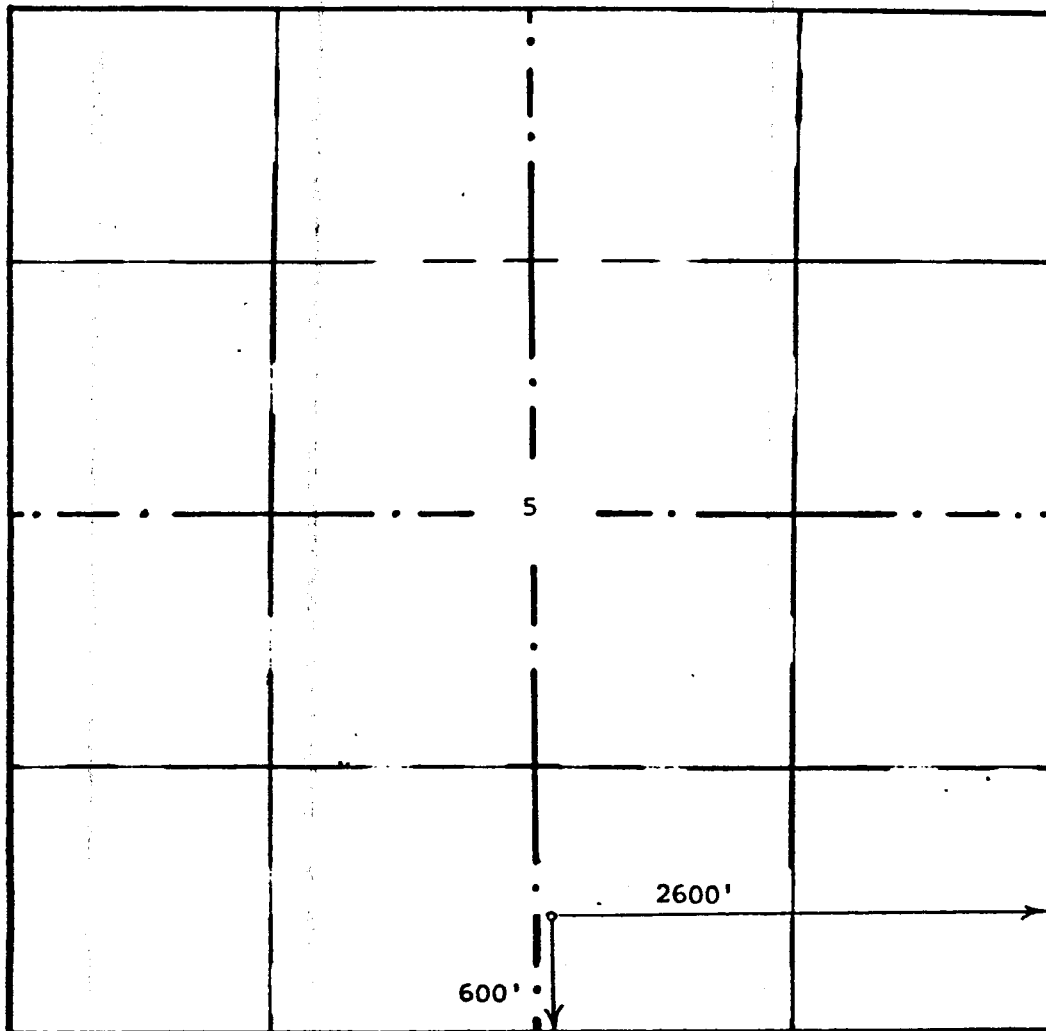
CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYFLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

2 total 5 of 6



POWERS ELEVATION

Well Location Plat



Operator Tricentrol USA		Well name 5-34 Southland Federal	
Section 5	Township 38 South	Range 22 East	Meridian SLM
Footages 600'PSL & 2600'FEL			County/State San Juan, Utah
Elevation 5478'	Requested by Lisa Green		
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <p>13 Jan. '83</p> <p><i>Gerald G. Huddleston</i> Gerald G. Huddleston, L.S. Utah Exception</p>			

Tricentrol Resources Inc.
Well No. 5-34
Section 5, T. 38 S., R. 22 E.
San Juan County, Utah
Lease U-44211

Supplemental Stipulations

- 1) Adequate and sufficient electric/radioactive logs will be run to locate and identify the saline minerals in the Paradox formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers.

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. Lease Designation and Serial No. U-44211
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name
2. Name of Operator Tricentrol Resources Inc. c/o Permitco		7. Unit Agreement Name
3. Address of Operator 1020 - 15th Street, Ste. 22E, Denver, CO 80202		8. Farm or Lease Name Southland Federal
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 600' FSL & 2600' FEL At proposed prod. zone Sec. 5, T38S-R22E		9. Well No. #5-34
14. Distance in miles and direction from nearest town or post office* Located 10.2 miles south of Blanding, Utah.		10. Field and Pool, or Wildcat Wildcat
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 40'		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 5, T38S-R22E
16. No. of acres in lease 2577.80		12. County or Parrish 13. State San Juan UT
17. No. of acres assigned to this well 40		
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. none		20. Rotary or cable tools Rotary
19. Proposed depth 6650'		22. Approx. date work will start* Upon approval of A.P.D.
21. Elevations (Show whether DF, RT, GR, etc.) 5478' Gr.		
23. PROPOSED CASING AND CEMENTING PROGRAM		
Size of Hole	Size of Casing	Weight per Foot
12-1/4"	8-5/8"	24.0#
7-7/8"	5-1/2"	15.5#
Setting Depth	Quantity of Cement	
2350'	400 sx. lite + 200 sx. Class B or suff. to circ.	
6650'	250 sx. Class "B" + 50/50 poz slurry mix or suff. to cover zones of interest.	

We propose to drill a well to 6650' to test the Desert Creek and Ismay formations. If productive, we will run casing and complete. If dry, we will plug and abandon as per State of Utah and Mining Management Service requirements.

RECEIVED
 JAN 24 1983

**DIVISION OF
 OIL, GAS & MINING**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. **David Howell**
 Signed David Howell Title Petroleum Engineer Date 1/19/83

(This space for Federal or State office use)

Permit No. _____ Approval Date _____

Approved by _____ Title _____

Conditions of approval, if any:

**APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING**

DATE: 1-24-83

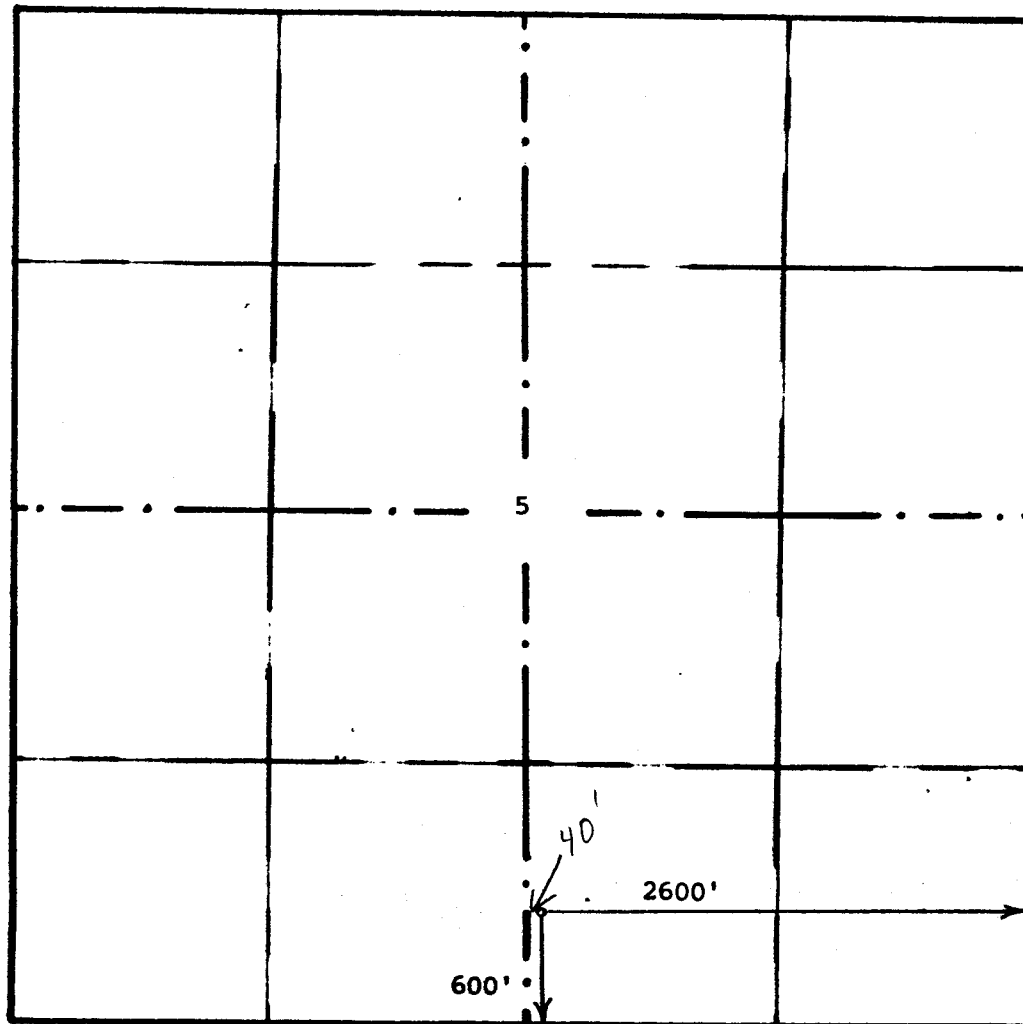
BY: [Signature]

*See Instructions On Reverse Side



POWERS ELEVATION

Well Location Plat



1"=1000'

Operator Tricentrol USA		Well name 5-34 Southland Federal	
Section 5	Township 38 South	Range 22 East	Meridian SLM
Footages 600'FSL & 2600'FEL			County/State San Juan, Utah
Elevation 5478'	Requested by Lisa Green		
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <p>13 Jan. '83</p> <p><i>Gerald G. Huddleston</i> Gerald G. Huddleston, L.S.</p> <p>Utah Exception</p>			

MAP #1

Tricentrol Resources Inc.

#5-34 Southland Federal

600' FSL & 2600' FEL

Section 5, T38S-R22E

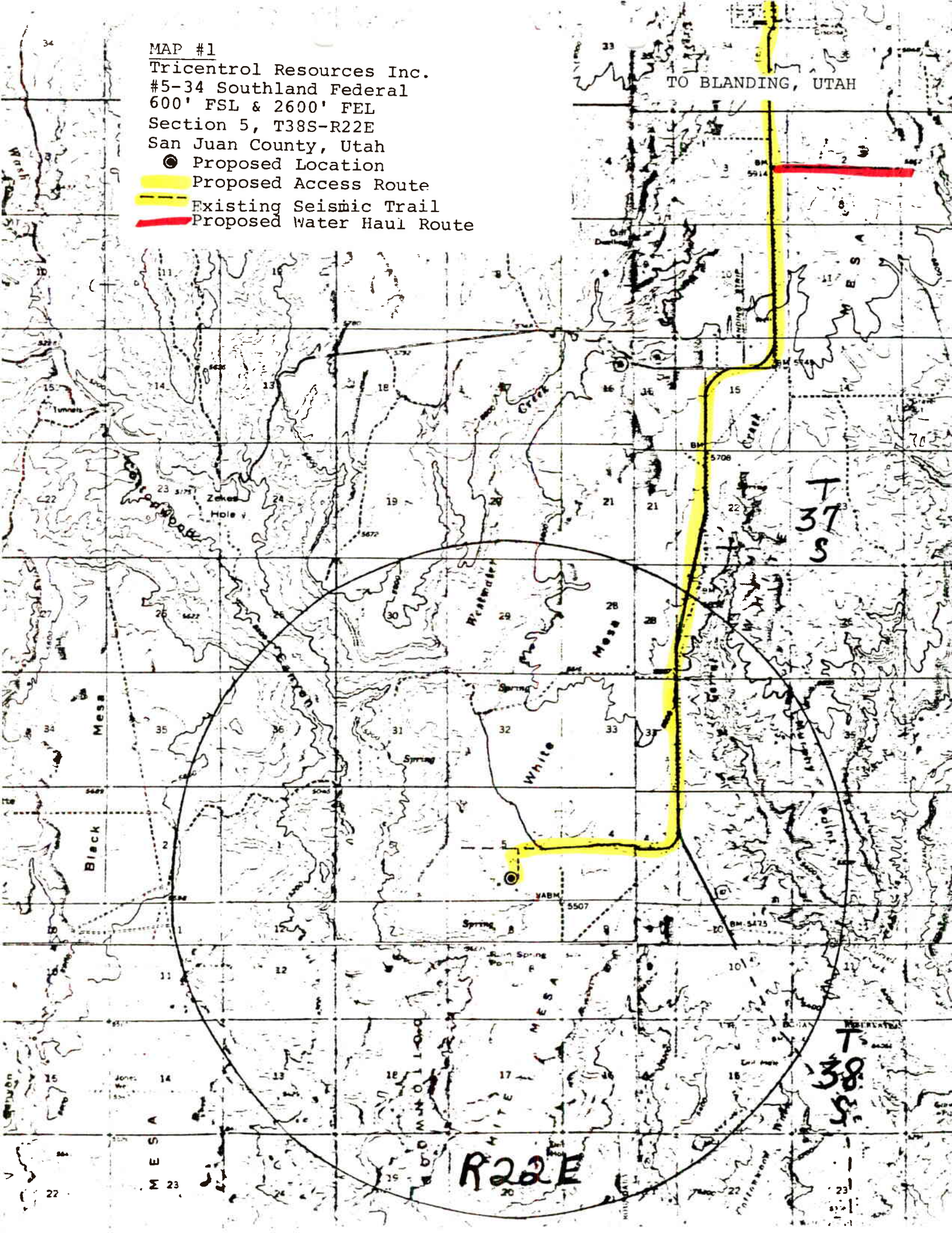
San Juan County, Utah

● Proposed Location

— Proposed Access Route

- - - Existing Seismic Trail

— Proposed Water Haul Route



Tricentrol

RESOURCES INC.

Suite 200, Gateway Place
5675 South Tamarac Parkway
Englewood, Colorado 80111 U.S.A.
Telephone (303) 694-0988

January 10, 1983

Minerals Management Services
1745 West 1700 South, Ste. 2000
Salt Lake City, Utah 84104-3884

RE: NTL-6 Program
Southland Federal #5-34
600' FSL - 2600' FEL
Section 5, T38S-R22E
San Juan County, Utah

Gentlemen:

This letter is to inform you that Tricentrol hereby authorizes Permitco to prepare the above mentioned NTL-6 program and to attend to any other related matters.

If anything further is needed, please advise.

Sincerely,

TRICENTROL RESOURCES INC.



James T. Walters
Operations Manager

RPC:ram

TEN POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Tricentrol Resources Inc.
Southland Federal #5-34
600' FSL & 2600' FEL
Section 5, T38S-R22E
San Juan County, Utah

1. The outcropping geologic formation is the Dakota.
2. The estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Chinle	2225'	+ 3265'
Shinarump	2970'	+ 2520'
Cutter	3223'	+ 2267'
Hermosa	5214'	+ 276'
Paradox	6070'	- 580
Ismay	6132'	- 642
Desert Creek	6483'	- 993
T.D.	6650'	- 1160

3. The following depths are estimated for oil and gas bearing zones:

<u>Substances</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Oil	Desert Creek	6483'
Oil	Ismay	6132'

4. a. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	
Surface	2350'	12-1/4"	8-5/8"	24.0#	K-55	ST&C	New
Production	6650'	7-7/8"	5-1/2"	15.5#	K-55	LT&C	New

- b. The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-2350'	400 sx. lite cement + 200 sx. Class "B" or sufficient to circulate.

<u>Production</u>	<u>Type and Amount</u>
0-6650'	250 sx. Class "B" + 50/50 poz slurry mix or sufficient to cover zones of interest.

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A Petroleum Permitting Company

TEN POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Tricentrol Resources Inc.
Southland Federal #5-34

600' FSL & 2600' FEL
Section 5, T38S-R22E
San Juan County, Utah

5. Blowout preventer stack will consist of a 10" Series 5000# BOP. See BOP Diagram. Equipment will be tested prior to drilling out from under surface and operational checks will be made daily thereafter.

6. Drilling fluid will be as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0 - 5000'	Natural Gel	9.0-9.3	35	20	--
5000 - T.D.	Low Solids	9.3-10.5	35	6-8	10.5

7. Auxiliary equipment to be used is as follows:

- a. Kelly cock
- b. Float above the bit
- c. Monitoring of the system will be done visually.
- d. A sub with a full opening valve will be on the floor when the kelly is not in use.

8. Testing, logging and coring will be as follows:

- a. Cores will be run in the Desert Creek and Ismay formations if deemed necessary by the geologist.
- b. DST's are proposed in the Ismay and Desert Creek formations.
- c. The logging program will consist of Dual Induction-SFL; Neutron Density; Sonic Log; Dipmeter; and Velocity Survey.
- d. Stimulation will be determined after the evaluation of the logs, DST's and cores that are run. If treatment is needed, a sundry notice will be submitted.

9. No abnormal pressures or hydrogen sulfide gas are anticipated during the course of drilling to T.D. The maximum bottom hole pressure to be expected is 3500 psi.

10. Tricentrol Resources Inc. plans to spud the Southland Federal #5-34 on February 15, 1983, and intends to complete the well within approximately one month after the well has reached T.D.

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MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Tricentrol Resources Inc.
Southland Federal #5-34
600' FSL & 2600' FEL
Section 5, T38S - R22E
San Juan County, Utah

Gentlemen:

We submit the following application and plats for permission to drill the Southland Federal #5-34.

1. Existing Roads

- a. The proposed well site and elevation plat is shown on Plat #1.
- b. Directions to the location from Blanding, Utah are as follows: Go South on Highway 47 for 7 miles. Turn right on Black Mesa Detour. Cross cattleguard and follow existing dirt road for 1.5 miles. Cut off main road and continue West for 0.2 miles. Turn South and follow existing seismic train for 0.4 miles to the location.
- c. For access roads - see Map #1.
- d. All existing roads within a 2-mile radius are shown on Map #1.
- e. This is an exploratory well. All roads within a two-mile radius of the well site are shown on Map #1.
- f. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- g. Improvement to existing access will be necessary and will be limited to a total disturbed width of 20 feet. New construction will be limited to a total disturbed width of 20 feet. Surfacing material will not be placed on the access road or location without prior BLM approval.
- h. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

2. Planned Access Roads

- a. No new access road will be necessary.
- b. The grade will be 3% or less.
- c. No turnouts are planned.

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A Petroleum Permitting Company

MULTI-POINT REQUIREMENTS
TO ACCOMPANY A.P.D.

Tricentrol Resources Inc.
Southland Federal #5-34
600' FSL & 2600' FEL
Section 5, T38S - R22E
San Juan County, Utah

2. Planned Access Roads

- d. There will be no ditching. Water bars will be constructed as directed by the Bureau of Land Management to control erosion. (To be done at a later date if production is established.)
- e. No special drainage designs will be necessary.
- f. No culverts will be necessary. Maximum cut is 8 feet. Maximum fill is 2 feet.
- g. Only native materials will be utilized.
- h. No gates, cattleguard, or fence cuts will be necessary.
- i. The last 4/10 mile is existing seismic trail with no grade to exceed 3%.

3. Location of Existing Wells Within a Two-Mile Radius (See Map #2)

- a. Water wells - none
- b. Abandoned wells - three
- c. Temporarily abandoned wells - none
- d. Disposal wells - none
- e. Drilling wells - none
- f. Producing wells - two
- g. Shut in wells - none
- h. Injection wells - none
- i. Monitoring observation wells - none

4. Location of Existing and/or Proposed Facilities

- a. There are no production facilities or gas gathering lines owned or controlled by Tricentrol Resources within a one-mile radius of the proposed well.
- b. New facilities contemplated in the event of production are shown on Diagram #1.
 - 1. Proposed tank battery will be located as shown on Diagram #1.

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A Petroleum Permitting Company

MULTI-POINT REQUIREMENTS
TO ACCOMPANY A.P.D.

Tricentrol Resources Inc.
Southland Federal #5-34
600' FSL & 2600' FEL
Section 5, T38S - R22E
San Juan County, Utah

4. Location of Existing and/or Proposed Facilities

- b. 2. All flow lines from well site to battery site will be buried below frost line depth.
3. Dimensions of the facilities will be 206 feet long and 148 feet wide. See Diagram #1.
4. Only native materials will be utilized.
5. All above ground production facilities will be painted a neutral color to be approved by the Bureau of Land Management.
6. An earthen dike utilizing subsoil in the surrounding area will be built around the storage tanks and separator to contain oil should a leak occur. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.
7. The reserve pit will be fenced and allowed to dry. Then all pits will be backfilled. The location not needed for production will be leveled, contoured and reseeded as per BLM requirements.
8. The access shall be upgraded to the following specifications (if production is established.) The road shall be 20 feet wide crowned and ditched. Culverts will be installed as deemed necessary by the Bureau of Land Management.

5. Location and Type of Water Supply

- a. The source of water will be from a private stockpond owned by Ivan Watkins which is located 2 miles southwest of Blanding, Utah. Directions to the water source are shown on Map #1.
- b. Water will be trucked to location over the roads marked on Map #1.
- c. No water well is to be drilled on this lease.
- d. A temporary use permit will be obtained from the ✓ Utah State Engineer (801/647-1303) before using this water source.

6. Source of Construction Materials

- a. Only native materials will be utilized.

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MULTI-POINT REQUIREMENTS
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Tricentrol Resources Inc.
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Section 5, T38S - R22E
San Juan County, Utah

6. Source of Construction Materials

- b. No construction materials will be taken off Federal land.
- c. Surface and subsoil materials in the immediate area will be utilized. Any gravel will be purchased from a commercial source.
- d. All major access roads are shown on Map #1.

7. Methods for Handling Waste Disposal

- a. Drill cuttings are to be contained and buried in the reserve pit.
- b. Drilling fluids are to be contained in the reserve pit.
- c. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- d. A chemical porta-toilet will be furnished with the drilling rig.
- e. If a trash pit is used, it will be constructed near the mud tanks with steep sides and dug at least six feet into solid, undisturbed material. It will be totally enclosed with fine mesh wire before the rig moves in.
- f. The reserve pit will be lined at the discretion of the dirt contractor with commercial bentonite or plastic sufficient to prevent seepage. At least half of the capacity will be in cut.
- g. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling operations begin. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
- h. Trash will not be disposed of in the reserve pit. Garbage and non-flammable waste are to be contained in the trash pit. Flammable waste is to be contained in the burn pit. The trash is to be burned periodically and the remains buried when the well is completed. A burning permit will be obtained from the State Fire Warden (801/587-2705) before burning trash.

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San Juan County, Utah

7. Methods for Handling Waste Disposal

- i. All trash, garbage, etc. is to be gathered and buried at the end of drilling operations and covered with a minimum of two feet of earth. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. Non-burnable debris will be hauled to a local town dump. Reserve and mud pits will be allowed to dry after drilling is completed and then adequately filled and leveled. All garbage and sewage pits will be filled as soon as the rig leaves the location.

8. Ancillary Facilities

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #2 for rig layout. See Diagram #3 for cross section of drill pad. See Diagram #4 for cuts and fills.
- b. The location of mud tanks; reserve, burn and trash pits; pipe racks; living facilities and soil stockpiles will be shown on Diagram #2. The location will be laid out and constructed as discussed during the pre-drill conference.

10. Plans for Restoration of Surface

- a. Immediately upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of 2 feet of compacted soil.
- b. The operator or his contractor will contact the BLM office in Monticello, Utah, (801/587-2201,) 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit will be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be scarified with the contour to a depth of 12 inches.

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Section 5, T38S - R22E
San Juan County, Utah**

10. Plans for Restoration of Surface (cont.)

- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. When broadcast seeding, a harrow or similar implement will be dragged over the seeded area to assure seed cover. Seed Mixture:

2 lbs./acre Indian Ricegrass
2 lbs./acre Fourwing saltbush
4 lbs./acre Crested wheatgrass

After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.

- h. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.
- i. The access shall be upgraded to BLM Class III road specifications, if production is established.
- j. The top 12 inches of soil material will be removed from the location and stockpiled separate from the trees on the north side of the location. Topsoil along the access will be reserved in place.

11. Other Information

- a. Topography - the project area is located approximately 9 miles south to southwest of the town of Blanding, Utah, on the west side of White Mesa. White Mesa is a broad mesa bounded on the east by Recapture Canyon and Cottonwood Canyon on the West. The steep slopes leading to Cottonwood Creek are

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MULTI-POINT REQUIREMENTS
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Southland Federal #5-34
600' FSL and 2600' FEL
Section 5, T38S - R22E
San Juan County, Utah

11. Other Information (cont.)

approximately one mile west of the project area. The terrain on White Mesa is relatively flat and is characterized by gently undulating hills and low ridges favoring a generally southern aspect.

Soils - consist of aeolian silts varying in depth from 1 - 3+ meters. Sandstone bedrock is exposed in some shallow drainages which head in the general vicinity of the project area.

Vegetation - primarily a big, broad sagebrush flat, although the project area is situated at the interface of the sage and juniper plant communities. The latter located in more sheltered areas along drainages and canyon slopes. Other plant species represented include snakeweed, bunchgrass, ephedra, (Mormon tea), and prickly pear.

Fauna - is consistent with that found in the upper Sonoran and transitional life zones.

- b. Surface in the area is owned by the Bureau of Land Management.
- c. The nearest water is approximately 1-1/4 miles west of the location in Cottonwood Creek.
- d. The nearest occupied dwelling is approximately 8 miles northeast near the town on Blanding, Utah.
- e. An archeological study was performed. No significant cultural resources were found and clearance is recommended. This report will be submitted directly by LaPlata Archeological Consultant.
- f. Drilling will begin immediately upon approval of this application.
- g. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resources Area Office will be contacted. All employees working in the area will be informed by the operator that they are subject to prosecution for disturbing archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will only be done if damage occurs.

Permitco

A Petroleum Permitting Company

MULTI-POINT REQUIREMENTS
TO ACCOMPANY A.P.D.

Tricentrol Resources Inc.
Southland Federal #5-34
600' FSL and 2600' FEL
Section 5, T38S - R22E
San Juan County, Utah

11. Other Information (cont.)

- h. The operator will notify the San Juan Resource Area BLM Office in Monticello, Utah (801/587-2201) 48 hours prior to beginning any work on public land.
- i. The San Juan County Road Department in Monticello, Utah will be contacted prior to use of county roads. (801/587-2249).
- j. The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM stipulations before any work is done.

12. Lessee's or Operator's Representative

Drilling and Completion Matters

Tricentrol Resources Inc.
5675 South Tamarac Parkway
Suite 200
Englewood, CO 80111
(David Howell - Petroleum Engineer)
(303) 694-0988

Permit Matters

Permitco
1020-15th Street
Suite 22-E
Denver, CO 80202
(Lisa Green)
(303) 595-4051

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Tricentrol Resources Inc. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which is is approved.

1/19/83
Date

David Howell
David Howell - Petroleum Engineer
Tricentrol Resources Inc.

Permitco

A Petroleum Permitting Company

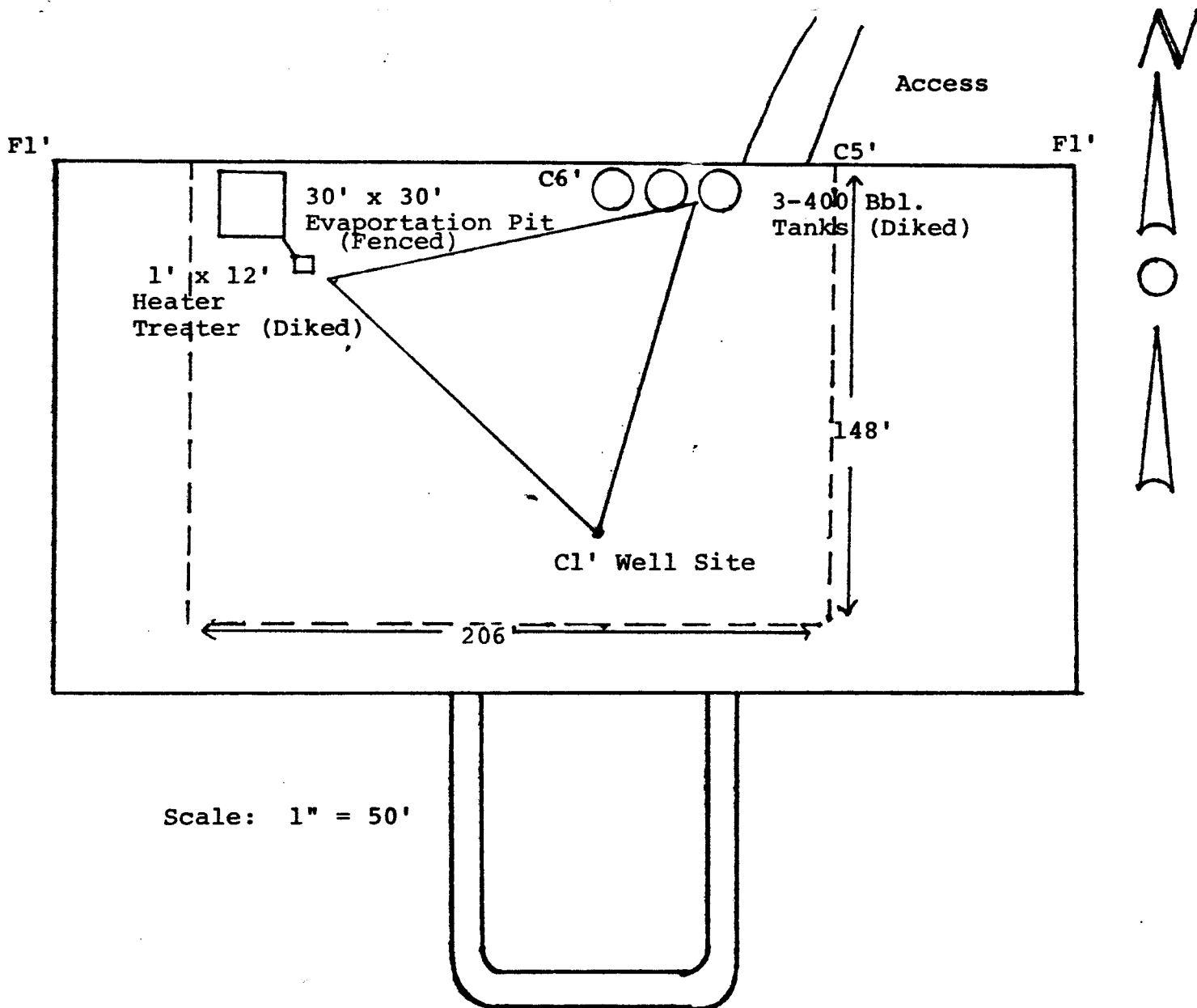
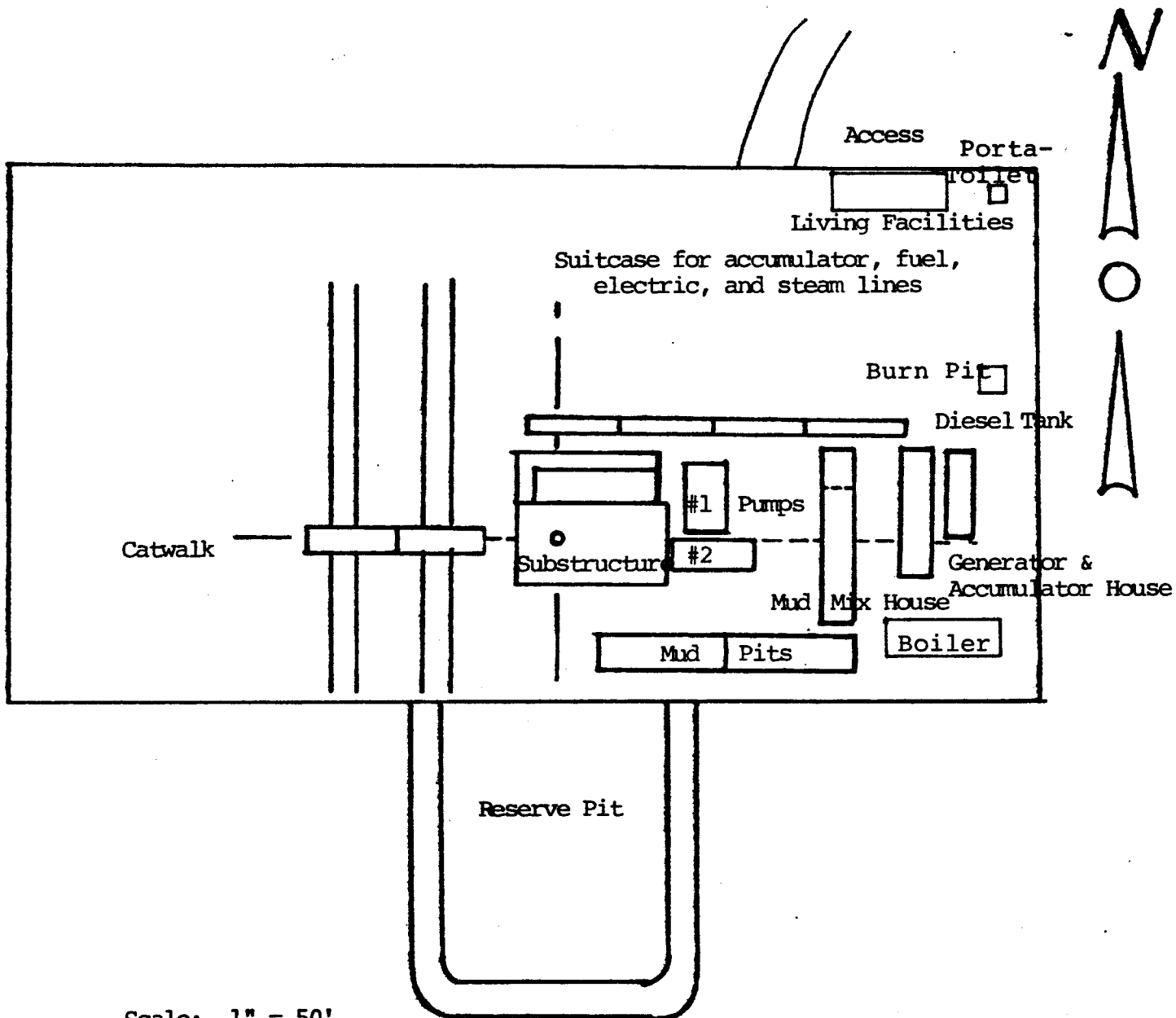


DIAGRAM #1
 Production Facilities Layout
 Tricentrol Resources Inc.
 #5-34 Southland Federal
 600' FSL & 2600' FEL
 Section 5, T38S-R22E
 San Juan County, Utah



Scale: 1" = 50'

DIAGRAM #2
Rig Layout
 Tricentrol Resources Inc.
 #5-34 Southland Federal
 600' FSL & 2600' FEL
 Section 5, T38S-R22E
 San Juan County, Utah



POWERS ELEVATION

Well 5-34 Southland Federal

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
800 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-3217

Cut ///////////////
Fill:|||||

Scales: 1"=50'H.
1'=20'V.

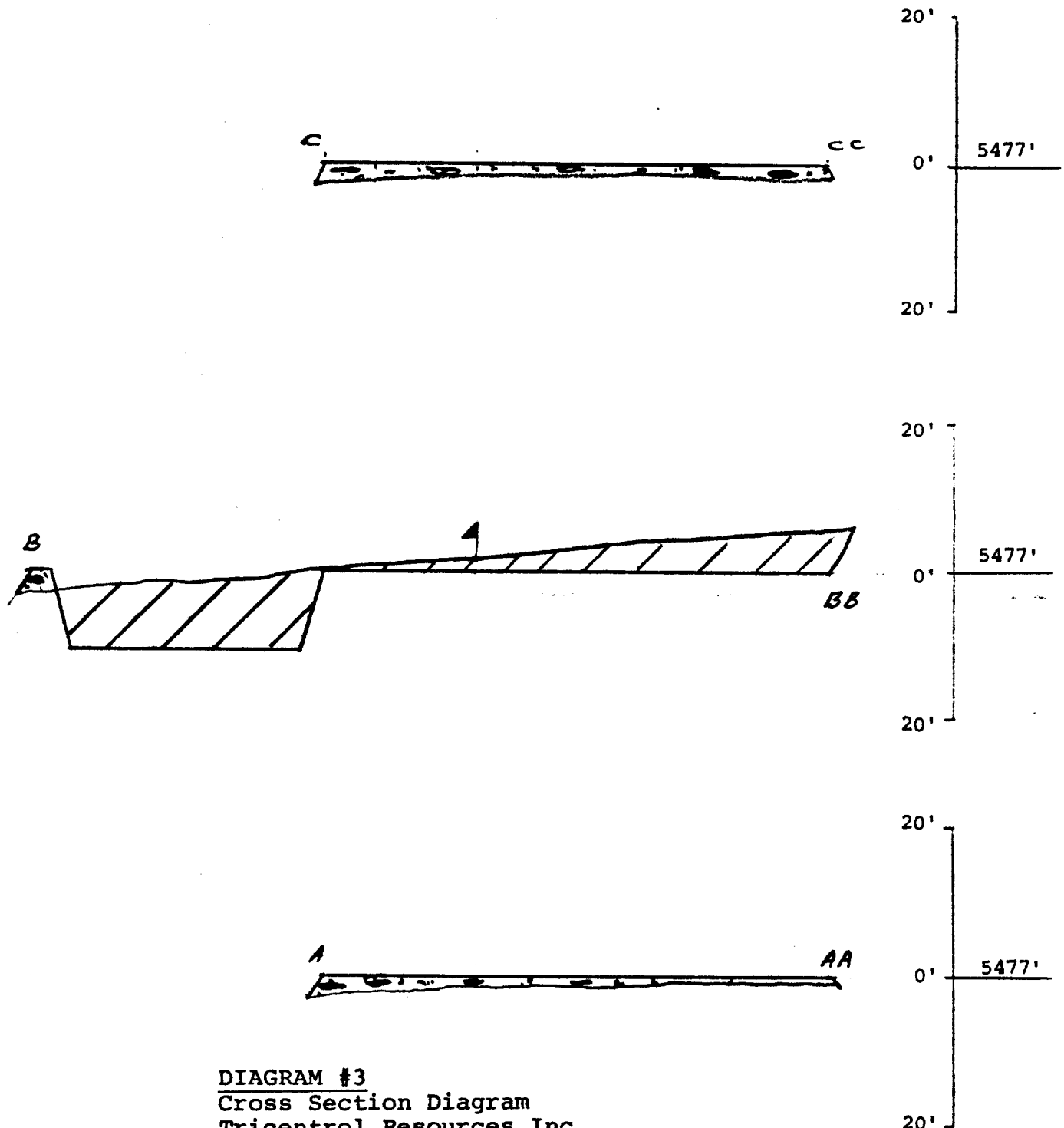


DIAGRAM #3
Cross Section Diagram
Tricentrol Resources Inc.
#5-34 Southland Federal
600' FSL & 2600' FEL
Section 5, T38S-R22E
San Juan County, Utah



POWERS ELEVATION

Access

N

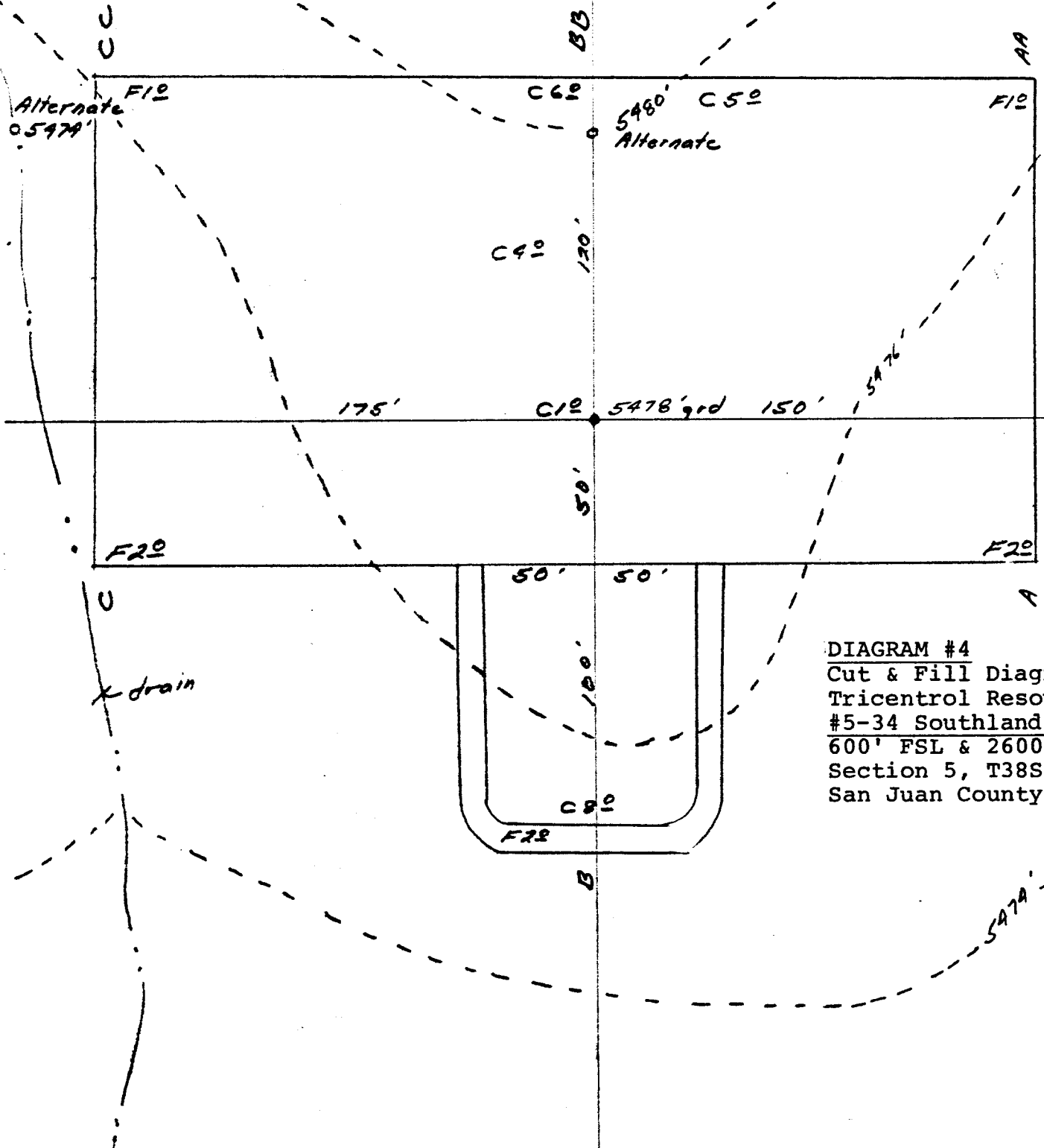


DIAGRAM #4
Cut & Fill Diagram
Tricentrol Resources Inc.
#5-34 Southland Federal
600' FSL & 2600 FEL
Section 5, T38S-R22E
San Juan County, Utah

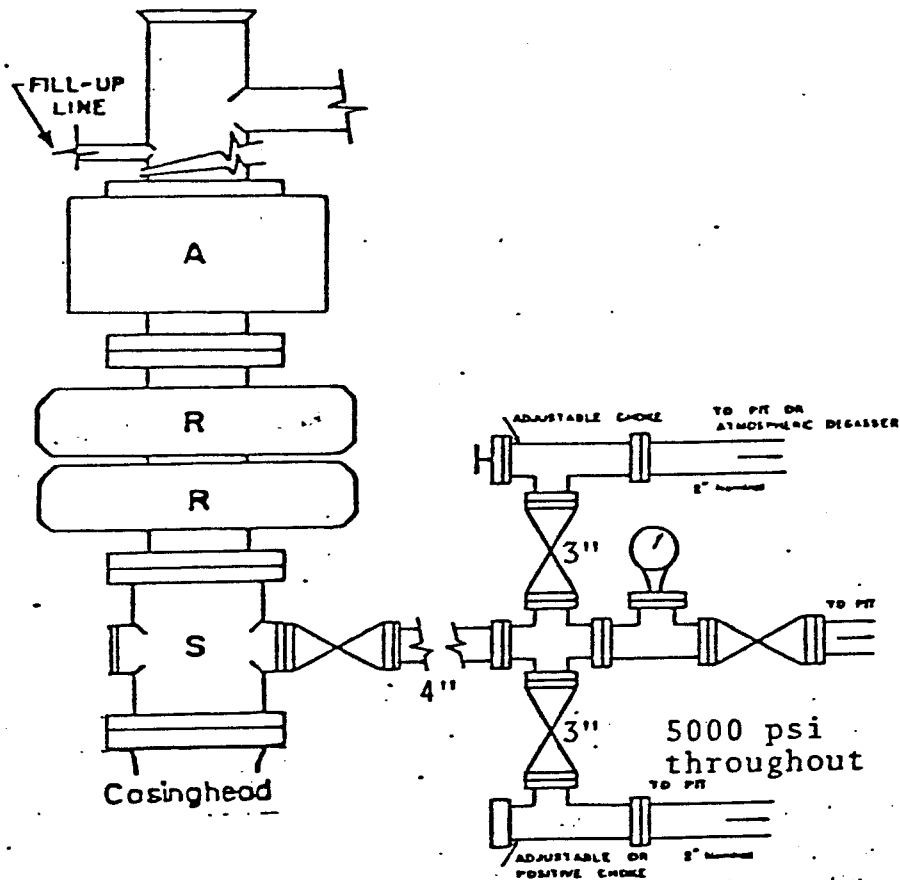
ANDERSON-MYERS DRILLING COMPANY

Blowout Preventer and Choke Manifold

RIG # 18

Shaffer Spherical
10" 5000

Shaffer 'LWS'
10" 5000



OPERATOR TRICENTRAL RESOURCES INC. DATE 1-24-83

WELL NAME SOUTHLAND FED 5-34

SEC SW SE 5 T 38 S R 22 E COUNTY SAN JUAN

43-037-30867
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☒

HL

☐☐

NID

☐

PI

☐☒

MAP

☒☐

PROCESSING COMMENTS:

No wells within 1000'

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☒

c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *FED*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER *NO*

☐ UNIT *NO*

☐ c-3-b

☒ c-3-c

☒ OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

January 24, 1983

Tricentrol Resources Inc.
c/o Permitco
1020 - 15th Street, Suite 22 E
Denver, Colorado 80202

RE: Well No. Southland Federal 5-34
SWSE Sec. 5, T.38S, R.22E
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR


CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30867.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as₁
cc: Oil & Gas Operations
Enclosure

NOTICE OF SPUD

Company: Tri-Central Res. Inc.

Caller: David Howell

Phone: # 303-694-0988

Well Number: Southland Fed 5-34

Location: SW 1/4 SE 1/4 Sec 5 T. 38S R. 22E

County: Sar Juan State: UT

Lease Number: U-44211

Lease Expiration Date: _____

Unit Name (If Applicable): N/A

Date & Time Spudded: 4-21-83 1:30 P.M.

Dry Hole Spudded Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: Anderson Muzes Rig #18

Approximate Date Rotary Moves In: 4-18-83

FOLLOW WITH SUNDRY NOTICE

Call Received By: Cindy Luce

Date: 4-21-83

cc: UT St. Oil & Gas
BCM, Urral (Oil & Gas)
TAT

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-019-30867

NAME OF COMPANY: Tricentral Resources Inc.

WELL NAME: Southland Federal 5-34

SECTION SWSE 5 TOWNSHIP 38S RANGE 22E COUNTY San Juan

DRILLING CONTRACTOR Anderson Myers

RIG # 18

SPUDDED: DATE 4-21-83

TIME 1:30 PM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY David Howell

TELEPHONE # 303-694-0988

DATE 4-21-83 SIGNED Norm

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR

Tricentrol Resources Inc.

3. ADDRESS OF OPERATOR

5675 S. Tamarac Pkwy, Englewood, CO 80111

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 600' FSL & 2600' FEL

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Well Status ☒

SUBSEQUENT REPORT OF:

RECEIVED
MAY 04 1983

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spudded at 1:30 p.m., 4/21/83.

Ran 38 jts, 8-5/8", 24#, K-55, ST&C, surface casing and set at 2333.83'. Cemented with 800 sxs Halliburton lite weight cmt followed by 350 sxs Class B cmt. Circ 200 sxs to surface.

Current Operation 4/29/83: Depth 3961'.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED David P. Howell TITLE Sr. Petro. Engineer DATE 5/2/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☐ well ☐ other ☒ Dry Hole
2. NAME OF OPERATOR
Tricentrol Resources Inc.
3. ADDRESS OF OPERATOR 5675 S. Tamarac Pkwy,
Ste. 200, Englewood, CO 80111
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 600' FSL & 2600' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other)

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☒

5. CASE
U-44211
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
None
7. UNIT AGREEMENT NAME
None
8. FARM OR LEASE NAME
Southland Federal
9. WELL NO.
#5-34
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T38S-R22E
12. COUNTY OR PARISH
San Juan
13. STATE
Utah
14. API NO.
43-037-30867
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5478' GR; 5491' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS, AND MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to TD 6487'. Well P & A'd.

Set cement plugs as follows:

- Plug #1 6020-6487' w/145 sxs Class B cmt.
Plug #2 4000-4200' w/140 sxs Class B cmt.
Plug #3 2200-2500' w/155 sxs Class B cmt w/2% CaCl.
Plug #4 37-surface w/10 sxs Class B cmt w/2% CaCl.

Drilling rig released at 12 Midnight, 5/19/83.

Well plugged per verbal approval by Asad Farroul, Minerals Management Services.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED David P. Howell TITLE Sr. Petro. Engineer DATE 5/20/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MININGDATE: 5/24/83
BY: [Signature]

cc: Utah Oil, Gas, & Mining Division

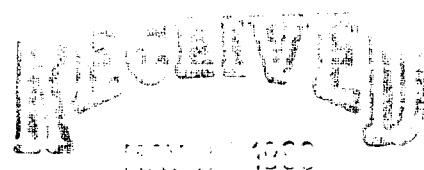
*See Instructions on Reverse Side



TICKET NO. 26931700

18-MAY-83

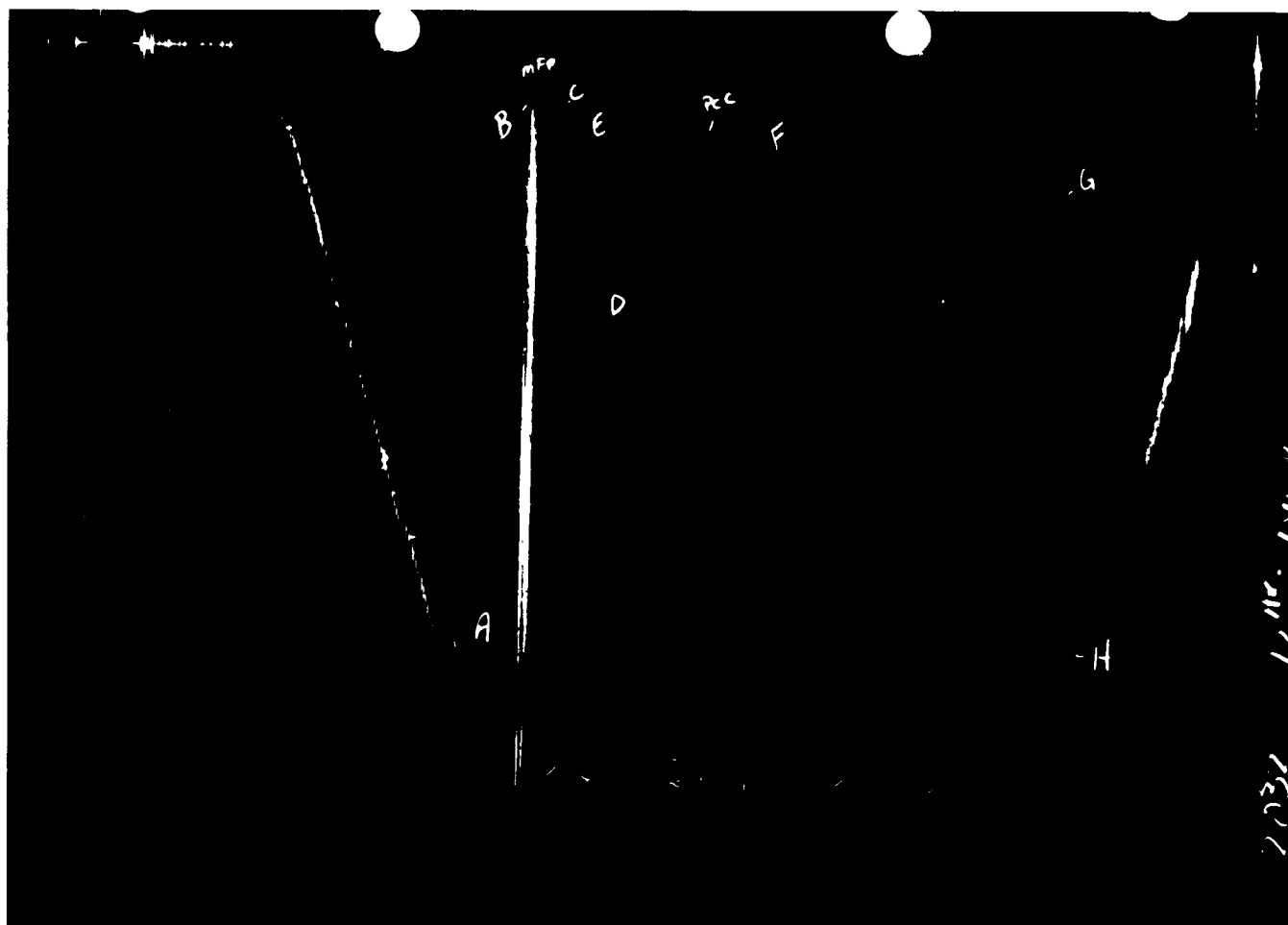
FARMINGTON



DIVISION OF
OIL, GAS & MINING

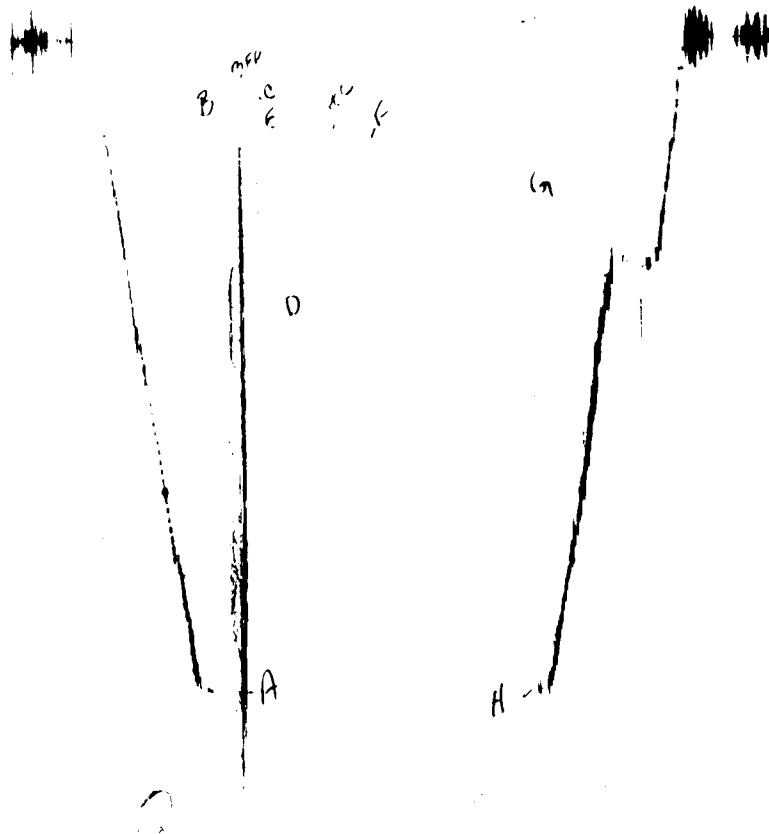
FORMATION TESTING SERVICE REPORT

SOUTHLAND FEDERAL		534	1		6271.1 - 6320.1	TRICENTROL RESOURCES, INCORPORATED
LEASE NAME		WELL NO.	TEST NO.		TESTED INTERVAL	LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RNG.	5	385	22E	FIELD AREA	WILCOAT	COUNTY
					SRN JUAN	STATE UTAH
					J/J	



GAUGE NO: 2032 DEPTH: 6253.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3133	3161.9			
B	INITIAL FIRST FLOW	172	273.2			
C	FINAL FIRST FLOW	277	293.8	21.0	18.0	F
C	INITIAL FIRST CLOSED-IN	277	293.8			
D	FINAL FIRST CLOSED-IN	1213	1216.8	30.0	30.5	C
E	INITIAL SECOND FLOW	304	399.5			
F	FINAL SECOND FLOW	501	503.6	90.0	90.4	F
F	INITIAL SECOND CLOSED-IN	501	503.6			
G	FINAL SECOND CLOSED-IN	725	737.6	180.0	182.0	C
H	FINAL HYDROSTATIC	3119	3158.8			



GAUGE NO: 2033 DEPTH: 6317.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3177	3201.9			
B	INITIAL FIRST FLOW	188	322.4			
C	FINAL FIRST FLOW	295	297.6	21.0	18.0	F
C	INITIAL FIRST CLOSED-IN	295	297.6			
D	FINAL FIRST CLOSED-IN	1227	1236.4	30.0	30.5	C
E	INITIAL SECOND FLOW	322	418.2			
F	FINAL SECOND FLOW	509	524.1	90.0	90.4	F
F	INITIAL SECOND CLOSED-IN	509	524.1			
G	FINAL SECOND CLOSED-IN	749	761.4	180.0	182.0	C
H	FINAL HYDROSTATIC	3163	3198.4			

EQUIPMENT & HOLE DATA			TICKET NUMBER: 26931700		
FORMATION TESTED: LOWER ISMAY			DATE: 5-15-83 TEST NO: 1		
NET PAY (ft): 14.0			TYPE DST: OPEN HOLE		
GROSS TESTED FOOTAGE: 49.0			HALLIBURTON CAMP: FARMINGTON		
ALL DEPTHS MEASURED FROM: KELLY BUSHING			TESTER: DELL GUNN		
CASING PERFS. (ft):			WITNESS: R. A. KOPP		
HOLE OR CASING SIZE (in): 7.875			DRILLING CONTRACTOR: ANDERSON MYERS #18		
ELEVATION (ft): 5492					
TOTAL DEPTH (ft): 6320.0					
PACKER DEPTH(S) (ft): 6265, 6271					
FINAL SURFACE CHOKE (in): 0.250					
BOTTOM HOLE CHOKE (in): 0.750					
MUD WEIGHT (lb/gal): 9.40					
MUD VISCOSITY (sec): 34					
ESTIMATED HOLE TEMP. (°F):					
ACTUAL HOLE TEMP. (°F): 124 @ 6317.0 ft					
FLUID PROPERTIES FOR RECOVERED MUD & WATER			SAMPLER DATA		
SOURCE	RESISTIVITY	CHLORIDES	Pstg AT SURFACE:		
MUD PIT	1.810 @ 73°F	1878 ppm	cu.ft. OF GAS:		
	@ °F	ppm	cc OF OIL:		
	@ °F	ppm	cc OF WATER:		
	@ °F	ppm	cc OF MUD:		
	@ °F	ppm	TOTAL LIQUID cc:		
HYDROCARBON PROPERTIES			CUSHION DATA		
OIL GRAVITY (°API): 38.0 @ 60°F			TYPE AMOUNT WEIGHT		
GAS/OIL RATIO (cu.ft. per bbl):					
GAS GRAVITY:					
RECOVERED:			MEASURED FROM TESTER VALVE		
2000 FEET OF OIL.					
REMARKS:					
SOURCE....			API GRAVITY AT 60 DEGREES....		
TOP			43.6		
MIDDLE			38.0		
BOTTOM			39.5		

TYPE & SIZE MEASURING DEVICE: POSITIVE CHOKE NIPPLES					TICKET NO: 26931700
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
5-14-83					
2100					ON LOCATION, TOOL OUT OF HOLE
					WITH DRILL STRING.
5-15-83					
0045					PICKED UP AND MADE UP TOOLS.
0145					TOOL IN HOLE WITH DST #1.
0456					ON BOTTOM.
0500	BH				OPENED TOOL WITH A VERY WEAK
					BLOW-1/4" IN BUCKET.
0505	BH	10			STRONG BLOW TO BOTTOM OF BUCKET.
0510	1/8"	22			SWITCHED TO POSITIVE CHOKE.
0515	1/8"	25			NO GAS TO SURFACE.
0521	1/8"	25			CLOSED TOOL.
0531					GAS TO SURFACE.
0551	1/8"	17			OPENED TOOL WITH 4' FLARE.
0555	1/4"	16.5			SWITCHED CHOKES.
0600	1/4"	16.0			4' FLARE.
0605	"	15.0			"
0610	"	14.0			"
0615	"	12.0			"
0620	"	10.0			3' FLARE.
0625	"	7.0			3' FLARE.
0630	"	5.5			2' FLARE.
0635	"	4.5			"
0640	"	4.0			"
0645	"	8.5			"
0647	"	20.0			"
0650	"	27.0			"
0700	"	27.5			"
0705	"	23.0			"
0710	"	18.0			"
0715	"	14.0			"
0721	"	11.0			CLOSED TOOL.
1021					PULLED OFF BOTTOM-OPENED BYPASS.
					TOOL OUT OF HOLE WITH DST #1.
1145					HIT OIL-SHUT DOWN TO REVERSE
					OUT. DROPPED BAR.

TICKET NO: 26931700[illegible]

TICKET NO: 26931700

CLOCK NO: 10444 HOUR: 12



GAUGE NO: 2032

DEPTH: 6253.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	273.2			
2	1.0	230.2	-43.0		
3	2.0	190.1	-40.1		
4	3.0	180.7	-9.4		
<input checked="" type="checkbox"/> 5	3.7	178.4	-2.4		
6	4.0	179.3	0.9		
7	5.0	186.3	7.0		
8	6.0	194.6	8.3		
9	7.0	204.0	9.4		
10	8.0	212.5	8.6		
11	9.0	221.6	9.1		
12	10.0	231.4	9.8		
13	12.0	248.5	17.2		
14	14.0	263.9	15.3		
15	16.0	279.7	15.8		
C 16	18.0	293.8	14.1		
FIRST CLOSED-IN					
C 1	0.0	293.8			
2	1.0	500.3	206.5	0.9	1.287
3	2.0	665.9	372.1	1.8	1.005
4	3.0	818.0	524.2	2.6	0.845
5	4.0	949.2	655.4	3.3	0.738
6	5.0	1008.7	714.9	3.9	0.666
7	6.0	1044.3	750.5	4.5	0.602
8	7.0	1063.6	769.8	5.1	0.553
9	8.0	1078.0	784.2	5.5	0.513
10	9.0	1091.3	797.5	6.0	0.476
11	10.0	1102.4	808.6	6.5	0.447
12	12.0	1121.5	827.7	7.2	0.399
13	14.0	1139.3	845.5	7.9	0.359
14	16.0	1154.1	860.3	8.5	0.328
15	18.0	1167.4	873.6	9.0	0.301
16	20.0	1179.8	886.0	9.5	0.279
17	22.0	1190.0	896.2	9.9	0.260
18	24.0	1198.5	904.7	10.3	0.243
19	26.0	1204.7	910.9	10.7	0.229
20	28.0	1211.2	917.4	11.0	0.216
D 21	30.5	1216.8	923.0	11.3	0.202
SECOND FLOW					
E 1	0.0	399.5			
2	9.0	345.9	-53.6		
3	18.0	381.0	35.1		
4	27.0	413.2	32.2		
5	36.0	426.9	13.7		
6	45.0	441.7	14.8		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
7	54.0	442.1	0.4		
<input checked="" type="checkbox"/> 8	55.5	442.3	0.3		
9	63.0	474.1	31.8		
10	72.0	496.3	22.2		
11	81.0	499.9	3.6		
F 12	90.4	503.6	3.7		
SECOND CLOSED-IN					
F 1	0.0	503.6			
2	10.0	571.2	67.6	9.2	1.073
3	20.0	597.9	94.3	16.9	0.807
4	30.0	614.7	111.2	23.5	0.665
5	40.0	627.5	123.9	29.2	0.570
6	50.0	639.6	136.1	34.2	0.501
7	60.0	650.0	146.4	38.6	0.448
8	70.0	657.9	154.3	42.5	0.407
9	80.0	665.3	161.7	46.0	0.372
10	90.0	673.3	169.7	49.2	0.344
11	100.0	683.6	180.0	52.0	0.319
12	110.0	692.6	189.1	54.6	0.298
13	120.0	700.7	197.1	57.0	0.280
14	130.0	708.3	204.7	59.1	0.263
15	140.0	715.3	211.7	61.1	0.249
16	150.0	720.8	217.2	62.9	0.236
17	160.0	726.8	223.3	64.7	0.225
18	170.0	732.1	228.6	66.2	0.214
G 19	182.0	737.6	234.1	68.0	0.203

LEGEND:

☒ 1 MINIMUM FLOW PRESSURE☒ 2 POSSIBLE CHOKE CHANGE

REMARKS:

TICKET NO: 26931700

CLOCK NO: 14128 HOUR: 24


HALLIBURTON
SERVICES

GAUGE NO: 2033

DEPTH: 6317.0



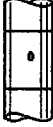










REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	322.4			
2	1.0	305.4	-17.0		
3	2.0	220.5	-84.9		
4	3.0	208.3	-12.2		
<input checked="" type="checkbox"/> 5	3.7	199.6	-8.7		
6	4.0	201.3	1.7		
7	5.0	201.3	0.0		
8	6.0	201.7	0.4		
9	7.0	205.1	3.4		
10	8.0	213.8	8.7		
11	9.0	223.7	9.9		
12	10.0	233.2	9.5		
13	12.0	251.3	18.1		
14	14.0	267.3	16.0		
15	16.0	283.4	16.1		
C 16	18.0	297.6	14.2		
FIRST CLOSED-IN					
C 1	0.0	297.6			
2	1.0	518.6	221.0	1.0	1.268
3	2.0	692.8	395.2	1.8	0.996
4	3.0	840.0	542.4	2.5	0.851
5	4.0	979.4	681.8	3.3	0.739
6	5.0	1031.6	734.1	3.9	0.664
7	6.0	1063.8	766.2	4.5	0.600
8	7.0	1082.4	784.9	5.1	0.552
9	8.0	1096.4	798.8	5.5	0.513
10	9.0	1108.9	811.3	6.0	0.476
11	10.0	1119.0	821.4	6.4	0.448
12	12.0	1137.5	839.9	7.2	0.398
13	14.0	1154.1	856.5	7.9	0.360
14	16.0	1171.0	873.4	8.5	0.328
15	18.0	1185.5	887.9	9.0	0.302
16	20.0	1197.6	900.0	9.5	0.280
17	22.0	1208.8	911.2	9.9	0.260
18	24.0	1216.8	919.2	10.3	0.243
19	26.0	1223.7	926.1	10.7	0.229
20	28.0	1229.8	932.2	11.0	0.216
D 21	30.5	1236.4	938.8	11.3	0.202
SECOND FLOW					
E 1	0.0	418.2			
2	9.0	351.9	-66.4		
3	18.0	388.6	36.7		
4	27.0	421.8	33.2		
5	36.0	437.0	15.1		
6	45.0	451.7	14.7		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
7	54.0	458.4	6.7		
<input checked="" type="checkbox"/> 8	55.5	458.4	0.0		
9	63.0	482.2	23.7		
10	72.0	514.5	32.3		
11	81.0	520.1	5.6		
F 12	90.4	524.1	4.0		
SECOND CLOSED-IN					
F 1	0.0	524.1			
2	10.0	585.6	61.6	9.1	1.076
3	20.0	614.4	90.3	16.9	0.808
4	30.0	633.6	109.6	23.5	0.665
5	40.0	647.5	123.4	29.2	0.569
6	50.0	659.4	135.4	34.2	0.501
7	60.0	670.3	146.3	38.6	0.449
8	70.0	679.3	155.2	42.5	0.407
9	80.0	686.8	162.8	46.1	0.372
10	90.0	695.1	171.0	49.2	0.344
11	100.0	704.3	180.2	52.0	0.319
12	110.0	713.7	189.6	54.6	0.298
13	120.0	721.7	197.6	57.0	0.280
14	130.0	729.8	205.7	59.1	0.264
15	140.0	736.3	212.2	61.1	0.249
16	150.0	743.5	219.4	63.0	0.236
17	160.0	749.2	225.1	64.6	0.225
18	170.0	755.3	231.3	66.2	0.214
G 19	182.0	761.4	237.4	68.0	0.203

LEGEND:

☒ 1 MINIMUM FLOW PRESSURE☒ 2 POSSIBLE CHOKE CHANGE

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	5617.0	
3		DRILL COLLARS.....	6.250	2.250	531.0	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	6148.0
3		DRILL COLLARS.....	6.250	2.250	91.0	
5		CROSSOVER.....	6.000	3.000	1.0	
13		DUAL CIP SAMPLER.....	5.030	0.750	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	6248.0
80		AP RUNNING CASE.....	5.000	2.750	4.0	6253.0
15		JAR.....	5.030	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	6265.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	6271.0
20		FLUSH JOINT ANCHOR.....	5.750	3.000	43.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	6317.0
TOTAL DEPTH						6320.0

EQUIPMENT DATA

IGT

TRICENTROL RESOURCES INC.
5-34 Southland Federal
Sec. 5, T38S, R22E
San Juan, Utah

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MAY 26 1983

DIVISION OF
OIL, GAS & MINING

Intermountain GEO TECH, Inc.
P. O. Box 158
Delta, Colorado 81416
303-874-8614



Intermountain

GEO. TECH.

Your Hydrocarbon Well Logging Specialists

361 PALMER, P.O. BOX 158 DELTA, CO. 81416

(303)874-8614

May 17, 1983

TRICENTROL RESOURCES INC.

5-34 Southland Federal

San Juan County, Utah

Sec. 5, T38S, R22E

G L 5478' K B - 5492'

Spud Date 4/21/83 TD Date 5/16/83

Surface Casing Set at 2344'

The Tricentrol #5-34 Southland Federal well was spudded on 4/21/83 and a 12 1/4" hole was drilled to a depth of 2344' where surface casing was set on 4/24/83. Surface casing was drilled out with a 7 7/8" bit at 7:35 PM on 4/26. On 4/27 at a depth of 3120' problems with a hole in the drill pipe developed. From the 27th through the 5th of May there were a rash of problems; holes in the drill pipe, fishing for a drill collar, a crack in a drill collar, and a crack in the gas anchor right below the B.O.P. Time was also lost during the laying down and picking up of new - used drill pipe and collars. From the time drilling was began below surface casing on the 26th of April to the 5th of May, 95 hours were spent drilling and 127 1/2 hours were lost due to the problems listed above, while 2438' were drilled.

Drilling was resumed at 7:30 P.M. on May 5th and continued with a bit trip on 5/6 at 4841 and again on 5/8 at 5570 when a lost cone was discovered when bit was pulled. A magnet was run in the hole in an attempt to retrieve the cone. The magnet run was unsuccessful, so a mill tooth bit was run in to drill up the cone. After drilling 14' in 3 3/4 hours, the mill tooth was pulled and a new bit run in hole. At a depth of 5584' with the new bit drilling was resumed on 5/9 at 9:45 P.M. Drilling progressed with a bit trip at 6019 on the 11th and then was halted abruptly at 2:45 A.M. on the 12th when an electrical short caused a total electrical outage on location. After being down for nearly 20 hours while some major rewiring was done on a panel in the light plant, drilling was again begun.

After a trip was made on 5/13 at 6232' for a hole in the drill string and to change bits, drilling continued to a depth of 6287' when samples were circulated up before tripping out of the hole to pick up the core barrel for Core #1. A 33' Core was cut to a depth of 6320' and a 14 unit gas increase was noted. Of the 33' cut in the core only 17' was recovered. The DST tool was run in on the 15th for DST #1. Gas was flared 10 min in to first shut in and through out rest of test also oil was recovered from drill pipe. Drilling began again at 7:00 P.M. on the 15th and continued to TD with out further delay.

TD was reached at 6485 on 5/16 and circulated began to condition hole for "E" logs. Logging was delayed when hole was bridged off while running in hole for second log run. A trip into the well was made to remove bridge, and logging was again begun. More problems developed on 5/17 when schlumberger's tool pulled off their cable. The tool was recovered on the first fishing run.

At the time this report was completed a second DST is being run over a larger interval than DST #1, but to include the same interval as DST #1. DST #2 results to be forth-coming from Tricentrol.

Dave Meade
Geologist - IGT

TRICENTROL RESOURCES INC.
5-34 Southland Federal
Sec. 5, T38S, R22E
San Juan, Utah

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1. Summary of Daily Activity	1
2. Bit Record Sheet	2
3. Deviation Record Sheet	3
4. DST & Show Sheet	4-5
5. Core Description	6

- (1) Copy, Final Mud Log (5"=100')
- (1) Copy, Final Mud Log (2.5"=100')

DRILLING CONTRACTOR:	Anderson Meyer Rig No. 18 Denver, Colorado
DRILLING FOREMAN:	Mr. Kelton Mann
PUSHER:	Mr. Sam Anderson
GEO TECHNOLOGISTS:	Mr. Dave Meade Mr. Nick Larkin Mr. Tim Redmond Intermountain GEO TECH, Inc. Delta, Colorado
DRILLING FLUID:	Mr. Don Bryant Drilling Mud Inc. Cortez, Colorado
DRILL STEM TESTS:	Mr. Dell Gunn Haliburton Farmington, New Mexico
COREING:	Mr. Morgan Clark N L Hycalog Vernal, Utah
WIRE LINE LOGS:	Mr. Karl Schwarzenegger Schlumberger Well Service Farmington, New Mexico
OTHER (Specify):	Mr. Ric Kopp - Geologist Tricentrol Resources Inc. Denver, Colorado

TRICENTROL RESOURCES INC.
 5-34 Southland Federal
 Sec. 5, T38S, R22E
 San Juan, Utah

SUMMARY OF DAILY ACTIVITY

DATE	ACTIVITY	MIDNITE DEPTH	24 HOUR FOOTAGE
4/28/83	Unit #3, on location rigged up, Drilling	3120	547
4/29/83	Drilling, Started logging	3667	213
4/30/83	Drilling, Survey, TOH hole in pipe, TIH Drilling,	3880	361
5/01/83	Drilling, Fishing	4241	40
5/02/83	Fishing - Lay down pick up new Drill string	4281	0
5/03/83	Pick up new drill string, Drilling TOH for hole	4281	80
5/04/83	TIH wash to BIT, TIH Drilling TOH cracked drill collar	4361	152
5/05/83	Drilling TOH Cracked Casing, TIH Drilling	4513	269
5/07/83	Drilling TOH for Bit - TIH w/nb - Drilling	4782	317
5/07/83	Drilling, Survey	5099	392
5/08/83	Drilling, TOH, lost cone, fishing TOH Drilling	5491	79
5/09/83	Drilling, TOH, TIH w/bit Survey	5570	152
5/10/83	Drilling, Survey	5722	236
5/11/83	Drilling, Survey	5958	136
5/12/83	Drilling, Survey	6094	42
5/13/83	Drilling TOH, hole in pipe, TIH Drilling NB#10	6136	151
5/14/83	CIR. Spl. for core #1 TOH - TIH Coreing, Survey lay down core	6287	33
5/15/83	TIH for DST #1 TIH Drilling	6320	69
5/16/83	Drilling TD (6485') Cir to fun "E" logs logging	6389	96
5/17/83	Logging, Fishing for "E" log tool	6485	

TRICENTROL RESOURCES INC.
5-34 Southland Federal
Sec. 5, T38S, R22E
San Juan, Utah

BIT RECORD SHEET

BIT	MAKE	SIZE	TYPE	DEPTH OUT	FOOTAGE USED	HOURS
1	--	12 1/4	S4T	365	297	17 1/2
2	Sec	12 1/4	J-22	2344	1979	---
3	Sec	7 7/8	J-3	3120	776	---
4	Reed	7 7/8	HS51	4361	1241	---
5	Sec.	7 7/8	S84F	4841	480	23 1/4
6	STC	7 7/8	F-3	5570	729	44 1/2
7	Sec	7 7/8	M4NJ	5584	14	3 3/4
8	Sec	7 7/8	S86F	6019	429	44
9	Reed	7 7/8	HPSM	6232	213	24
10	Hughes	7 7/8	J 33-H	6485	253	---

TRICENTROL RESOURCES INC.
5-34 Southland Federal
Sec. 5, T38S, R22E
San Juan, Utah

DEVIATION SHEET FOR WELL. . .

DEPTH	DEVIATION (Dev)
148	3/4°
303	2°
458	1°
645	1°
1080	1°
1453	1 1/4°
1755	1 1/2°
2841	4°
3338	1°
3835	2 1/4°
4878	1 1/2°
5570	2°
6013	1°
6284	2°

Intermountain GEO TECH
DST & SHOW SHEET

SHOW # 1 INTERVAL 6287 TO 6289 DATE 5/14/83
COMPANY: Tricentrol Resources Inc.
WELL: 5-34 Southland Federal
FIELD: Wildcat

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	4 ½ M/F	3 M/F	15 M/F
TOTAL GAS UNITS	4	14	7
%METHANE	.02	.1	.02
%ETHANE	TR	.04	.01
%PROPANE		.007	TR
%BUTANE (ISO)		TR	TR
%BUTANE (NORM)		TR	TR
%PENTANES			

SAMPLE LITHOLOGY: LS - LT - M GY, BF, SFT, FRI, BLKY, MIC - VFXLN, SUC IP, CALC
CMT, V SNDY

SAMPLE FLUO-CUT: SPOTY, DULL YEL-GOLD FLUO; NO - V P CUT

DST #	INTERVAL	TIME Min.	TO Top Chart	PRESSURE (psi) Bottom Chart	DATE
INITIAL HYDROSTATIC					
INITIAL OPEN					
INITIAL SHUT-IN					
SECOND OPEN					
SECOND SHUT-IN					

FINAL HYDROSTATIC

BHT (°F):

1ST FLOW:

2NE FLOW:

REMARKS

DRILL PIPE RECOVERY:

SAMPLE CHAMBER REC:

	WT ppg	R/W	NITRATES ppm	CHLORIDES ppm	CHROMATES ppm
Drill Pipe: Top:	/	/ at	°F/	/	/
Middle:	/	/ at	°F/	/	/
Bottom:	/	/ at	°F/	/	/
SAMPLE CHMBR:	/	/ at	°F/	/	/
PIT MUD:	/	/ at	°F/	/	/
(GAUGED FLOW:)					

GEO-TECHNOLOGIST: Dave Meade

Intermountain GEO TECH
DST & SHOW SHEET

SHOW # _____ INTERVAL _____ TO _____ DATE _____
 COMPANY: TRICENTROL RESOURCES INC.
 WELL: 5-34 Southland Federal
 FIELD: Wildcat

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE			
TOTAL GAS UNITS			
%METHANE			
%ETHANE			
%PROPANE			
%BUTANE (ISO)			
%BUTANE (NORM)			
%PENTANES			

SAMPLE LITHOLOGY: _____

SAMPLE FLUO-CUT: _____

DST # 1	INTERVAL 6271	TO 6320	DATE 5/15/83
	TIME	PRESSURE (psi)	
	Min.	Top Chart	Bottom Chart
INITIAL HYDROSTATIC		3133	3177
INITIAL OPEN	20	172-277	188-295
INITIAL SHUT-IN	30	1213	1227
SECOND OPEN	84	304-501	322-509
SECOND SHUT-IN	180	725	749
FINAL HYDROSTATIC		3119	3163

BHT (°F): 124°

1ST FLOW: Open w/weak blow, 1/8" in bubble bucket; switch to 1/8" choke after 10 min. NGTS
 Shut in tool after 20 min. w/25# PSI

2NE FLOW: Open tool on 1/8" choke w/4 ft flare - 17# PSI; switch to 1/4" choke after 4 min
 w/16.5# PSI after 4 min pres. began decreasing; after 49 min. pres. had decreased to 4#; 54 min. in to flow pres began increasing; increased to 27.5# 69 min. into flow pressure began decreasing at 69 min. to end of dlow, closed tool w/11# PSI

REMARKS: 10 min. in to first shut in gas to surface - 6 in. to 1 ft flare

SAMPLE CHAMBER REC:	0	DRILL PIPE RECOVERY: 2000' Gas cut mud				
	WT	R/W	NITRATES	CHLORIDES	CHROMATES	
	ppg		ppm	ppm	ppm	
Drill Pipe: Top:	/	/ at	°F/	/	/	
Middle:	/	/ at	°F/	/	/	
Bottom:	/	/ at	°F/	/	/	
SAMPLE CHMBR:	/	/ at	°F/	/	/	
PIT MUD:	/	/ at	°F/	/	/	
(GAUGED FLOW:)						

(GAUGED FLOW:)

GEO-TECHNOLOGIST: Dave Meade

TRICENTROL RESOURCES INC.
 5-34 Southland Federal
 Sec. 5, T38S, R22E
 San Juan, Utah

CORE #1 6287 - 6320

CORE DESCRIPTION

DEPTH	SAMPLE DESCRIPTION
6287 - 6303	No Sample top 16' of core missing not recovered
6303 - 6304	LS GY - MIC - CRPXLN, FRM - MHD, DNS, ANHY, FOSS SM Styl at top, W/QTZ REPLCMT in VUGS NOVIS FOR TR DOS FAIR FLUO IN STYL
6304 - 6305	LS - A/A
6305 - 6306	LS - A/A - SH INCL, TR DOS, SPOTY FLUO, VP CUT, NO VIS POR CRIN & BRACH FOSS, MIN FLUO
6306 - 6307	LS - GY - GYBN, MIC-CRPXLN, DNS, MHY, ANHY, ABUNDT BRACH-CRIN FOSS, SM QTZ XLS APP, MIN FLUO, NO VIS POR
6307 - 6308	LS - MGY - DK GY BN, A/A NO VIS POR DECR FOSS
6308 - 6309	LS - LT GY - BF, A/A BCMCG SL-SLTY NO VIS POR, FOSS
6309 - 6310	LS - A/A, ABUND CRIN FRAGS
6310 - 6311	LS - GY BN, MICXLN, MHD, VDNS, SHLY, NON FOSS, NO VIS POR NFSOC
6311 - 6312	SH - DK GY, FRM- MHP, CALC. LIMEY, TR QTZ Replacement SL CARB
6312 - 6320	SH - BLK A/A SOOTY, CURB

LYNES, INC.

Sampler Report

Company Tricentral Resources Date 5/18/83
Well Name & No. Southland Federal # 5-34 Ticket No. 03642
County San Juan State Utah
Test Interval 6260-6293 Ft. DST No. 2

Total Volume of Sampler: 2100 cc.
Total Volume of Sample: 2000 cc.
Pressure in Sampler: 100 psig
Oil: 2000 cc.
Water: None cc.
Mud: None cc.
Gas: .033 cu. ft.
Other: --

Sample R.W.: Oil

Resistivity

Make Up Water 3.0 @ 54°F Salinity Content 2,400 ppm.
Mud Pit Sample 1.3 @ 60°F Salinity Content 5,200 ppm.
Gas/Oil Ratio 2.64/1 Gravity 39 °API @ °F

Where was sample drained On location.

Remarks: Recovery:

Top Sample R.W.: Oil

Contractor Anderson-Myer
Rig No. 18
Spot --
Sec. 5
Twp. 38S
Rng. 22E
Field Wildcat
County San Juan
State Utah
Elevation 5492 Ft. K.B.
Formation Lower Ismay

Top Choke 1"
Bottom Choke 3/4"
Size Hole 7 7/8"
Size Rat Hole --
Size & Wt. D. P. 4 1/2" XH 16.60
Size Wt. Pipe --
I. D. of D. C. 2 1/4"
Length of D. C. 442 Ft.
Total Depth 6487 Ft.
Interval Tested 6260-6293 Ft.
Type of Test Conventional
Straddle

Flow No. 1 15 Min.
Shut-in No. 1 59 Min.
Flow No. 2 120 Min.
Shut-in No. 2 240 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. 121°F
Mud Weight 9.6
Gravity --
Viscosity 39

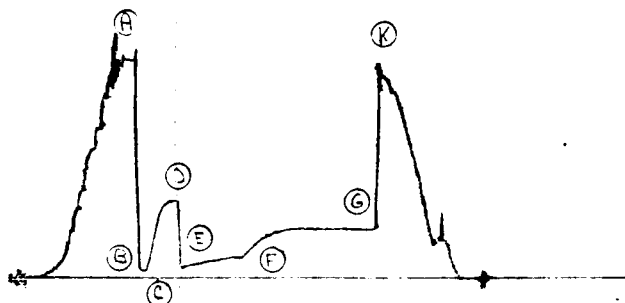
Tool opened @ 5:10 AM

Inside Recorder

PRD Make Kuster K-3
No. 24518 Cap. 6550 @ 6264'

Press	Corrected
Initial Hydrostatic A	3178
Final Hydrostatic K	3122
Initial Flow B	145
Final Initial Flow C	154
Initial Shut-in D	1186
Second Initial Flow E	184
Second Final Flow F	335
Second Shut-in G	780
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Lynes Dist. Casper, Wyoming
Our Tester: Frank Capps
Witnessed By: Kelton Mann



Did Well Flow - Gas Yes Oil No Water No

RECOVERY IN PIPE:

[Test Was Reverse Circulated]

1000 Ft. Total fluid = 10.01 bbls.

1000 Ft. Oil = 10.01 bbls.

Blow Description

1st Flow:

Tool opened with a bottom of the bucket blow, changed to a 1/2" choke with 3 psi, increased to 16 psi in 5 minutes, increased to 18 psi in 15 minutes. Gas to surface 1 minute into initial shut-in.

2nd Flow:

Tool opened with gas to surface immediately. See Gas Volume Report.

Operator Tricentrol Resources
Address See Distribution

Well Name and No. Southland Federal # 5-34

Ticket No. 03642
Date 5/18/83

DST No. 2
No. Final Copies 8

Location: 5-38S-22E
Test Type: CONVENTIONAL STRADDLE
Formation: LOWER ISMAY

Recorder Number: 312
Recorder Depth: 6269 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE PSI	(T+dt)/dt ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
A	INITIAL HYDROSTATIC	0.0		3160.0		
B	START OF 1st FLOW	0.0		345.0		
C	END OF 1st FLOW	15.0		190.0		
	1st SHUTIN PERIOD	0.0	0.0	190.0	0.0000	
		1.0	34.0	224.0	16.0000	
		2.0	66.0	256.0	8.5000	
		3.0	99.0	289.0	6.0000	
		4.0	129.0	319.0	4.7500	
		5.0	161.0	351.0	4.0000	
		10.0	331.0	521.0	2.5000	
		15.0	518.0	708.0	2.0000	
		20.0	695.0	885.0	1.7500	
		25.0	824.0	1014.0	1.6000	
		30.0	905.0	1095.0	1.5000	
		35.0	944.0	1134.0	1.4286	
		40.0	966.0	1156.0	1.3750	
		45.0	981.0	1171.0	1.3333	
		50.0	994.0	1184.0	1.3000	
		55.0	1002.0	1192.0	1.2727	
D	END OF 1st SHUTIN	59.0	1006.0	1196.0	1.2542	
E	START OF 2nd FLOW	0.0		189.0		
F	END OF 2nd FLOW	120.0		363.0		
	2nd SHUTIN PERIOD	0.0	0.0	363.0	1.2542	
		5.0	52.0	415.0	28.0000	
		10.0	96.0	459.0	14.5000	
		15.0	135.0	498.0	10.0000	
		20.0	172.0	535.0	7.7500	
		25.0	207.0	570.0	6.4000	
		30.0	243.0	606.0	5.5000	
		40.0	293.0	656.0	4.3750	
		50.0	331.0	694.0	3.7000	
		60.0	357.0	720.0	3.2500	
		70.0	371.0	734.0	2.9286	
		80.0	381.0	744.0	2.6875	
		90.0	388.0	751.0	2.5000	
		100.0	394.0	757.0	2.3500	
		110.0	398.0	761.0	2.2273	
		120.0	401.0	764.0	2.1250	

TRICENTROL RESOURCES
DST#: 2
SOUTHLAD FEDERAL # 5-34
6260-6293

Page 2

Location: 5-38S-22E
Test Type: CONVENTIONAL STRADDLE
Formation: LOWER ISMAY

Recorder Number: 312
Recorder Depth: 6269 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
		130.0	403.0	766.0	2.0385	
		140.0	406.0	769.0	1.9643	
		150.0	408.0	771.0	1.9000	
		160.0	411.0	774.0	1.8438	
		170.0	412.0	775.0	1.7941	
		180.0	415.0	778.0	1.7500	
		190.0	416.0	779.0	1.7105	
		200.0	417.0	780.0	1.6750	
		210.0	418.0	781.0	1.6429	
		220.0	421.0	784.0	1.6136	
		230.0	423.0	786.0	1.5870	
G END OF 2nd SHUTIN		240.0	425.0	788.0	1.5625	
K FINAL HYDROSTATIC		0.0		3121.0		

* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: TRICENTROL RESOURCES

WELL NAME: SOUTHLAD FEDERAL # 5-34

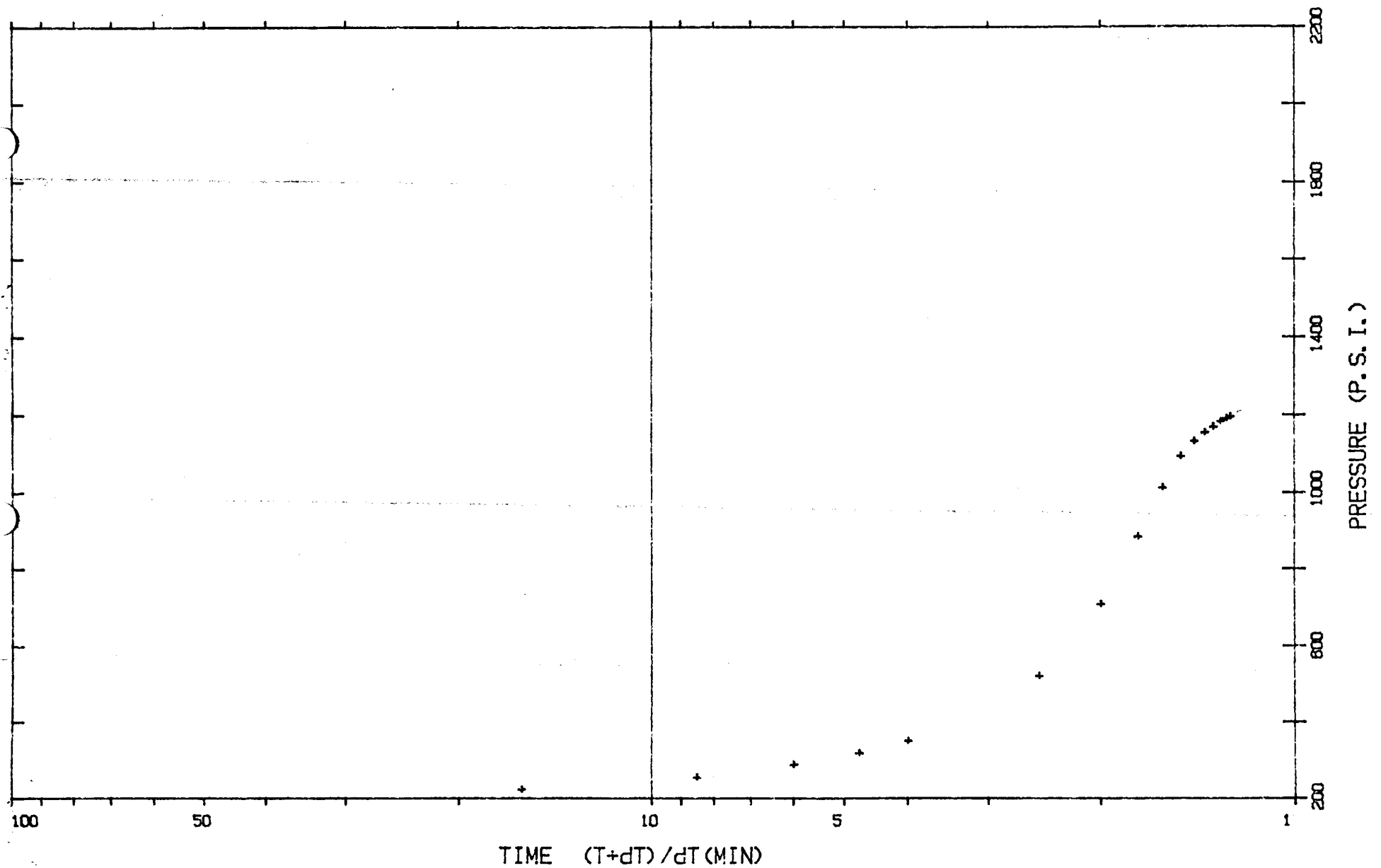
LOCATION: 5-38S-22E

DST #: 2

FIRST SHUT-IN

RECORDER: 312

DEPTH: 6269



OPERATOR: TRICENTROL RESOURCES

WELL NAME: SOUTHLAND FEDERAL # 5-34

LOCATION: 5-38S-22E

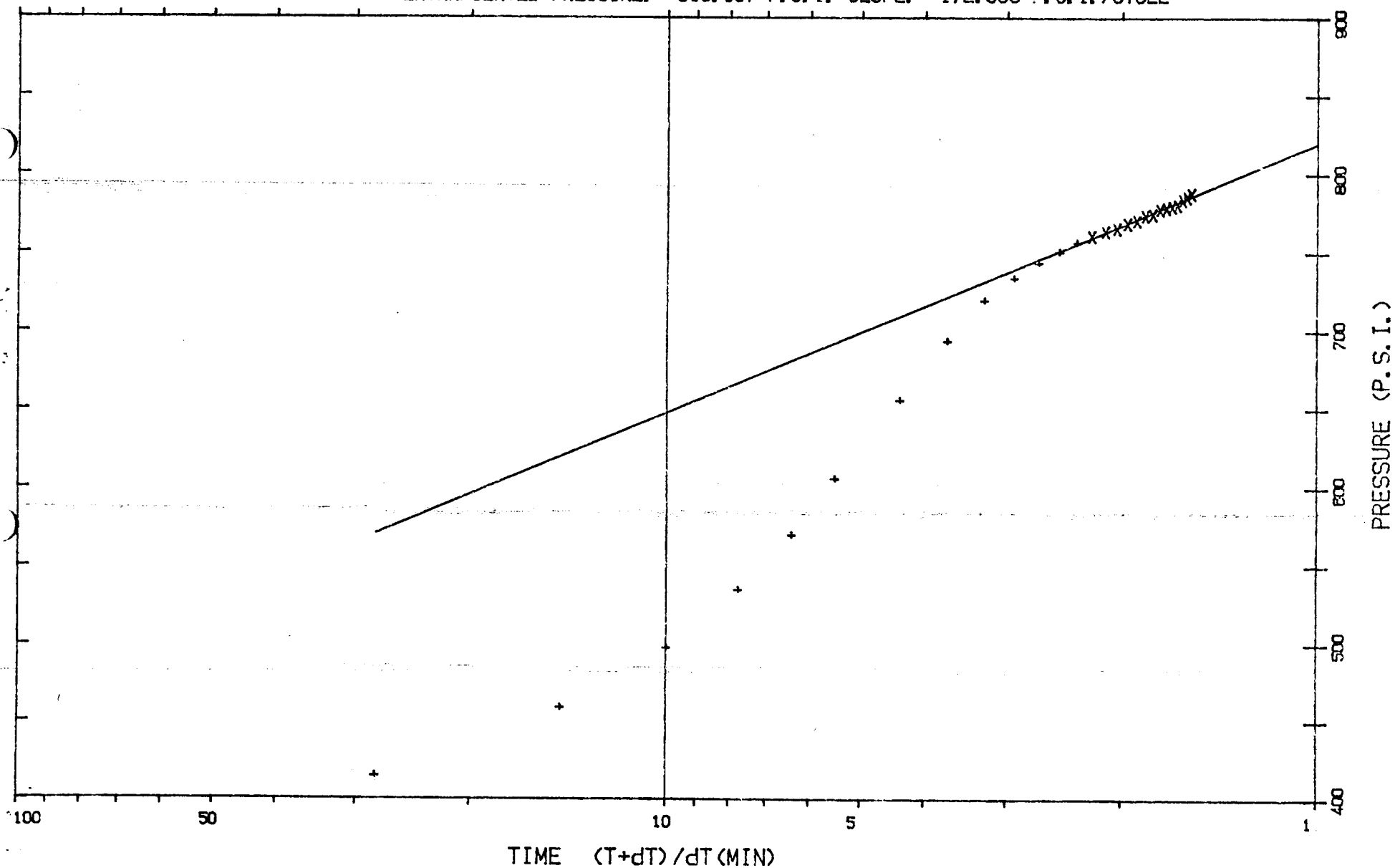
DST #: 2

SECOND SHUT-IN

RECORDER: 312

DEPTH: 6269

EXTRAPOLATED PRESSURE: 819.597 P. S. I. SLOPE: 172.058 P. S. I. /CYCLE



LYNES, INC.

Gas Volume Report

Tricentrol Resources

Southland Federal # 5-34

2

Operator

Well Name and No.

DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments
6:25	1	$\frac{1}{4}$ "	25	Tool opened for final flow.
6:30	8	$\frac{1}{4}$ "	34	
6:35	11	$\frac{1}{4}$ "	40	
6:40	9	$\frac{1}{4}$ "	37	
6:45	7	$\frac{1}{4}$ "	34	
6:50	6	$\frac{1}{4}$ "	31	
6:55	5	$\frac{1}{4}$ "	31	
7:00	4	$\frac{1}{4}$ "	28	
7:05	3	$\frac{1}{4}$ "	28	
7:20	2	$\frac{1}{4}$ "	25	
7:30	1	$\frac{1}{4}$ "	25	
7:55	3	$\frac{1}{4}$ "	28	
8:10	2	$\frac{1}{4}$ "	25	
8:20	5	$\frac{1}{4}$ "	31	
8:25	4	$\frac{1}{4}$ "	28	

Remarks:

DMR-312 DIGITAL MEMORY RECORDER NO. 312 CAP. 5000 AT 6269 Ft.

OPERATOR Tricentrol Resources

WELL NAME AND NO. Southland Federal # 5-34

TICKET NO. 03642 DST NO. 2

<p>***** DMR TYPE #2 SKIP = .0000011 BIAS = 01:04:00 TEMP. IN DEG. F PRES. IN P.S.I. ***** 05:00:30 T 115.875 3163.75 3163.75 3162.50 3161.25 3161.25 3161.25 Initial Hydrostatic 3160.00 05:08:30 T 116.250 3338.75 516.250 Start 1st Flow 345.000 205.000 151.250 140.000 146.250 05:16:30 T 116.187 170.000 170.000 165.000 163.750 165.000 168.750 171.250 05:24:30 T 117.562 190.000 223.750 256.250 288.750 318.750 351.250 383.750 05:32:30 T 118.437 451.250 486.250 521.250 558.750 595.000 632.500 670.000 05:40:30 T 118.937 746.250 786.250 825.000 857.500 885.000 911.250 940.000 05:48:30 T 119.312 991.250 1013.75 1033.75 1052.50 1068.75 1083.75 1095.00 05:56:30 T 119.625 1113.75 1121.25 1128.75 1133.75 1138.75 1143.75 1148.75 06:04:30 T 119.812 1156.25 1160.00 1162.50 1166.25 1168.75 1171.25 1175.00</p>	<p>06:12:30 T 119.937 1180.00 1182.50 1183.75 1186.25 1187.50 1190.00 1191.25 06:20:30 T 120.000 1193.75 1195.00 1196.25 1st Shut-In 1196.25 631.250 311.250 Start 2nd Flow 188.750 06:28:30 T 118.937 183.750 191.250 198.750 206.250 210.000 220.000 232.500 06:36:30 T 118.625 230.000 230.000 230.000 230.000 230.000 233.750 233.750 06:44:30 T 119.625 240.000 238.750 240.000 240.000 245.000 246.250 245.000 245.000 06:52:30 T 120.000 248.750 250.000 251.250 252.500 255.000 256.250 257.500 07:00:30 T 120.250 261.250 262.500 265.000 266.250 268.750 270.000 271.250 07:08:30 T 120.437 276.250 277.500 278.750 280.000 281.250 281.250 282.500 07:16:30 T 120.687 283.750 283.750 285.000 285.000 286.250 286.250 286.250 07:24:30 T 120.687 287.500 287.500 290.000 290.000 292.500 293.750</p>	<p>306.250 07:32:30 T 120.625 301.250 298.750 298.750 305.000 302.500 300.000 298.750 07:40:30 T 120.562 317.500 317.500 313.750 311.250 307.500 318.750 320.000 07:48:30 T 120.500 317.500 316.250 316.250 316.250 316.250 315.000 321.250 07:56:30 T 120.437 327.500 330.000 328.750 330.000 330.000 330.000 327.500 330.000 08:04:30 T 120.500 331.250 331.250 331.250 331.250 343.750 352.500 351.250 08:12:30 T 120.562 343.750 343.750 342.500 343.750 347.500 353.750 361.250 08:20:30 T 120.562 362.500 361.250 363.750 363.750 370.000 382.500 393.750 08:28:30 T 120.750 415.000 425.000 433.750 442.500 451.250 458.750 467.500 08:36:30 T 120.812 482.500 490.000 497.500 506.250 513.750 521.250 528.250 08:44:30 T 120.937 542.500 550.000 556.250 563.750 570.000</p>	<p>576.250 583.750 08:52:30 T 121.062 598.750 606.250 612.500 618.750 625.000 631.250 636.250 09:00:30 T 121.125 645.000 648.750 652.500 656.250 661.250 665.000 667.500 09:08:30 T 121.125 673.750 677.500 681.250 686.250 690.000 693.750 697.500 09:16:30 T 121.125 703.750 707.500 710.000 712.500 715.000 716.250 718.750 09:24:30 T 121.125 722.500 723.750 725.000 726.250 728.750 728.750 731.250 09:32:30 T 121.187 733.750 733.750 735.000 736.250 737.500 738.750 738.750 09:40:30 T 121.125 741.250 741.250 742.500 743.750 743.750 745.000 746.250 09:48:30 T 121.125 747.500 747.500 748.750 748.750 750.000 751.250 751.250 09:56:30 T 121.062 752.500 753.750 753.750 753.750 755.000 756.250 756.250 10:04:30 T 121.062 757.500 757.500 757.500 758.750 758.750</p>
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LYNES

DMR-312 DIGITAL MEMORY RECORDER NO. 312 CAP. 5000 AT 6269 Ft.

OPERATOR Tricentrol Resources

WELL NAME AND NO. Southland Federal # 5-34

TICKET NO.03642

DST NO. 2

758.750	11:24:30 T	120.687
760.000		777.500
10:12:30 T 121.000		777.500
761.250		777.500
761.250		778.750
761.250		778.750
761.250		778.750
761.250		778.750
762.500	11:32:30 T	120.625
762.500		778.750
10:20:30 T 120.937		778.750
763.750		778.750
763.750		780.000
763.750		780.000
763.750		780.000
765.000		780.000
765.000	11:40:30 T	120.625
765.000		781.250
10:28:30 T 120.875		781.250
765.000		781.250
766.250		781.250
766.250		781.250
766.250		781.250
766.250		781.250
766.250	11:48:30 T	120.562
766.250		782.500
10:36:30 T 120.875		782.500
767.500		782.500
767.500		782.500
767.500		782.500
768.750		783.750
768.750		783.750
768.750	11:56:30 T	120.562
768.750		783.750
10:44:30 T 120.812		783.750
768.750		783.750
770.000		783.750
770.000		783.750
770.000		785.000
770.000		785.000
770.000	12:04:30 T	120.562
771.250		785.000
10:52:30 T 120.812		785.000
771.250		786.250
771.250		786.250
771.250		786.250
771.250		786.250
771.250		786.250
772.500	12:12:30 T	120.562
772.500		786.250
11:00:30 T 120.750		786.250
772.500		787.500
772.500	2nd Shut-In	787.500
772.500		787.500
773.750		787.500
773.750		787.500
773.750	12:20:30 T	120.562
773.750		787.500
11:08:30 T 120.687		787.500
773.750		788.750
775.000		788.750
775.000		788.750
775.000		3086.25
775.000		3121.25
775.000	12:28:30 T	120.812
776.250	Final Hydrostatic	3121.25
11:16:30 T 120.687		3101.25
776.250		3072.50
776.250		3096.25
776.250		3075.00
776.250		3062.50
776.250		3056.25
777.500	12:36:30 T	120.312
777.500		

TRICENTROL RESOURCES
DST#: 2
SOUTHLAND FEDERAL # 5-34
6260-6293

Page 1

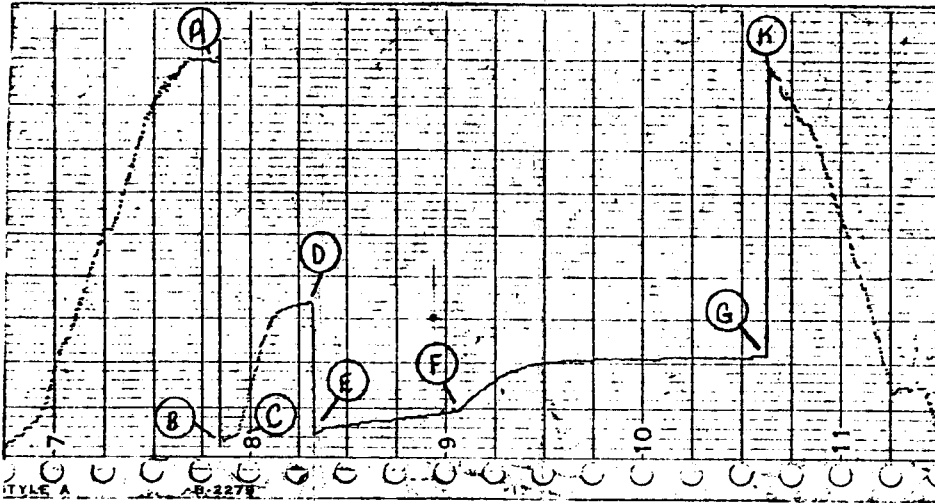
PRESSURE RECORDER NUMBER : 312

DEPTH : 6269.00ft.
TYPE : DMR-312

LOCATION : INSIDE
CAPACITY : 5000.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3160.0
B)1st Flow Start: 345.0
C)1st Flow End : 190.0
D)END 1st Shutin: 1196.0
E)2nd Flow Start: 189.0
F)2nd Flow End : 363.0
G)END 2nd Shutin: 788.0
K)Final Hydro. : 3121.0



TEST TIMES(MIN)
1st FLOW : 15
SHUTIN: 59
2nd FLOW : 120
SHUTIN: 240

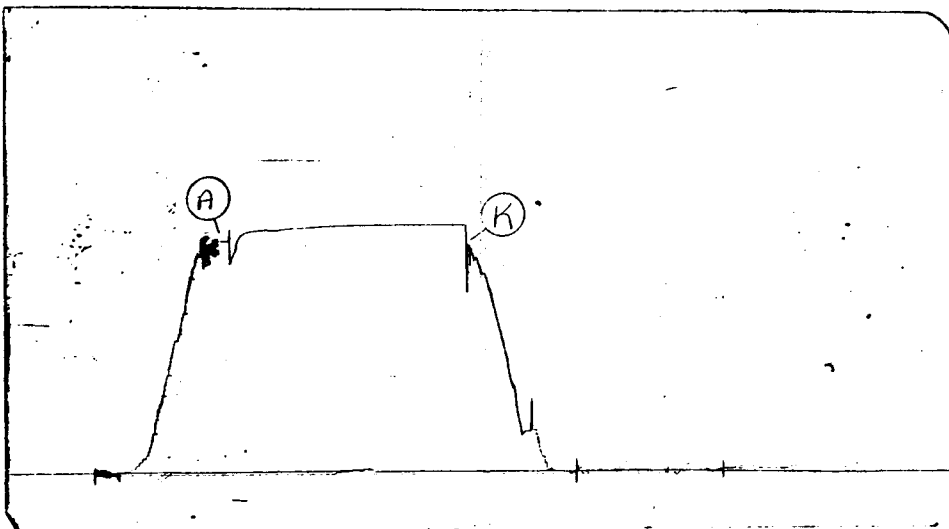
PRESSURE RECORDER NUMBER : 22568

DEPTH : 6297.00ft.
TYPE : K-3

LOCATION : OUTSIDE
CAPACITY : 6500.00 PSI

PRESSURE
PSI

A)Initial Hydro : 3221.0
K)Final Hydro. : 3156.0



Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR
Tricentral Resources Inc.

3. ADDRESS OF OPERATOR
5675 S. Tamarac Pkwy, Ste. 200, Englewood, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 600' FSL - 2600' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 43-037-30867 DATE ISSUED 11/1/67

15. DATE SPUDDED 4/21/83	16. DATE T.D. REACHED 5/17/83	17. DATE COMPL. (P&A'D) 5/19/83 P&A'd	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* GR 5478'; KB 5491'	19. ELEV. CASINGHEAD ---
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20. TOTAL DEPTH, MD & TVD 6487' TD	21. PLUG, BACK T.D., MD & TVD ---	22. IF MULTIPLE COMPL., HOW MANY* None	23. INTERVALS DRILLED BY → 10-6487'	ROTARY TOOLS CABLE TOOLS No
---------------------------------------	--------------------------------------	--	---	-----------------------------------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*	25. WAS DIRECTIONAL SURVEY MADE
None	No

26. TYPE ELECTRIC AND OTHER LOGS RUN OIL/SEL; CNL; BHC	27. WAS WELL CORED Yes
---	---------------------------

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
14" Conductor		56'	16"	7 yds. Redimix	None
8-5/8"	24#	2333.83'	12-1/4"	1150 sxs	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	None					None	

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
None	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	None	

33.* PRODUCTION		
DATE FIRST PRODUCTION	PRODUCTION METHOD (<i>Flowing, gas lift, pumping—size and type of pump</i>)	WELL STATUS (<i>Producing or shut-in</i>)
---	---	P & A'd.

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (<i>Sold, used for fuel, vented, etc.</i>)	TEST WITNESSED BY
---	-------------------

35. LIST OF ATTACHMENTS

DST #1 & #2.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED David P. Howell TITLE Sr. Petroleum Engineer DATE 6/1/83

***(See Instructions and Spaces for Additional Data on Reverse Side)**

Copy to State of Utah

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
CORE #1						
Lower Ismay	6287'	6320'	Lost upper part, recovered only bottom 17'. 8' limestone, 9' shale.			
Dakota	Surface					
Bluff	790'					
Navajo	1260'					
Chinle	2280'					
Cutler	3350'					
Hermosa	5240'					
Ismay	6130'					
Desert Creek	6345'					
Akah	6460'					
			DST #1 & #2 attached.			

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number #5-34 Southland Federal
Operator Tricentrol Resources Inc. Address 5675 So. Tamarac Pkwy, Ste. 200
Englewood, CO 80111
Contractor Anderson Myers Drlg Co. Address 1515 Araphoe St., Ste. 1075
Denver, CO 80202
Location SW ¼ SE ¼ Sec. 5 T: 38S R. 22E County San Juan

Water Sands None encountered during drilling.

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.			
2.			
3.			
4.			
5.			

(Continue of reverse side if necessary)

<u>Formation Tops</u>	Dakota	Surface	Ismay	6130'
	Bluff	790'	Desert Creek	6345'
	Navajo	1260'	Akah	6460'
<u>Remarks</u>	Chinle	2280'		
	Cutler	3350'		
	Hermosa	5240'		

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.